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On nucleic - nucleic search, using sw model

Run on:

April 4, 2003, 19:22:42 ; Search time 87.942 Seconds

6074.810 Million cell updates/sec

Title: US-09-719-748-1

Perfect score: 1742
Sequence: 1 gaccggggcgactcggccctc.....aaacttcttggtttacctgaa 1742
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 411362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%;

Maximum Match 100%;

Listing first 45 summaries

Database : issued patents NA;*

1: /cgn2_6/prodata/l/ina/5A_COMB.seq; *
2: /cgn2_6/prodata/l/ina/5B_COMB.seq; *
3: /cgn2_6/prodata/l/ina/6A_COMB.seq; *
4: /cgn2_6/prodata/l/ina/6B_COMB.seq; *
5: /cgn2_6/prodata/l/ina/PATUS_COMB.seq; *
6: /cgn2_6/prodata/l/ina/backfile1.seq; *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID

Description

| Result No. | Score | Query Match | Length | DB | ID | Description |
|------------|--------|-------------|--------|----|------------------|-------------------|
| 1 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-235-10 | Sequence 10, Appl |
| 2 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-28-10 | Sequence 10, Appl |
| 3 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-527-10 | Sequence 10, Appl |
| 4 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-336-10 | Sequence 10, Appl |
| 5 | 1042.2 | 59.8 | 1864 | 3 | US-09-221-116-10 | Sequence 10, Appl |
| 6 | 1042.2 | 59.8 | 1864 | 4 | US-09-221-445-10 | Sequence 10, Appl |
| 7 | 1042.2 | 59.8 | 1864 | 4 | US-09-163-115-10 | Sequence 10, Appl |
| 8 | 1042.2 | 59.8 | 1864 | 4 | US-09-221-28-10 | Sequence 10, Appl |
| 9 | 1042.2 | 59.8 | 1864 | 4 | US-09-593-53-10 | Sequence 10, Appl |
| 10 | 1042.2 | 59.8 | 1864 | 4 | US-09-221-337-10 | Sequence 10, Appl |
| 11 | 515.6 | 29.6 | 2132 | 2 | US-09-159-85-3 | Sequence 3, Appl |
| 12 | 515.6 | 29.6 | 2132 | 4 | US-09-186-77-3 | Sequence 3, Appl |
| 13 | 513.8 | 29.5 | 1429 | 2 | US-09-159-85-4 | Sequence 4, Appl |
| 14 | 513.8 | 29.5 | 1429 | 4 | US-09-221-336-12 | Sequence 4, Appl |
| 15 | 449.4 | 25.8 | 4935 | 2 | US-09-631-97-3 | Sequence 3, Appl |
| 16 | 449.4 | 25.8 | 5886 | 4 | US-09-810-12-9 | Sequence 9, Appl |
| 17 | 445.4 | 25.6 | 480 | 3 | US-09-221-335-12 | Sequence 12, Appl |
| 18 | 445.4 | 25.6 | 480 | 3 | US-09-221-28-12 | Sequence 12, Appl |
| 19 | 445.4 | 25.6 | 480 | 3 | US-09-221-27-12 | Sequence 12, Appl |
| 20 | 445.4 | 25.6 | 480 | 3 | US-09-221-336-12 | Sequence 12, Appl |
| 21 | 445.4 | 25.6 | 480 | 3 | US-09-221-116-12 | Sequence 12, Appl |
| 22 | 445.4 | 25.6 | 480 | 4 | US-09-221-245-12 | Sequence 12, Appl |
| 23 | 445.4 | 25.6 | 480 | 4 | US-09-163-115-12 | Sequence 12, Appl |
| 24 | 445.4 | 25.6 | 480 | 4 | US-09-221-28-12 | Sequence 12, Appl |
| 25 | 445.4 | 25.6 | 480 | 4 | US-09-593-53-12 | Sequence 12, Appl |
| 26 | 445.4 | 25.6 | 480 | 4 | US-09-221-337-12 | Sequence 12, Appl |
| 27 | 146.8 | 8.4 | 146.8 | 4 | US-09-272-796-12 | Sequence 12, Appl |

RESULT 1
US-09-221-235-10
; Sequence 10, Application US/09221235
; Patent No. 604300
; GENERAL INFORMATION:
; APPLICANT: ACTON, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221, 235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163, 115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
; US-09-221-235-10
Query Match Similarity 59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 99.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
Qy 687 TCCTCTTAAGTGGAGCATCCCTTCCTCGGAGACAGAGCAGAACACTGCAATA 746
Db 300 TCAGCTTAAGTGGAGCATCCCTTCCTCGGAGACAGAGCAGAACACTGCAATA 359
Qy 747 TCACITCACTGAGTTAGCACTTGTAGGAAATCTTCAGGCCATAGAGGAGCTGGCA 806
Db 360 TCACAGCACTGAGTTACGACTTCATGAGGAATTCTTCAGGCCAGAGGAGCTGGCA 419
Qy 807 AGGACTTATTCGGAGCTCTGGTAAGAGAACGGCAACGGCTCACATCCAGAGG 866
Db 420 AGGACTTATTCGGAGCTCTGGTAAGAGAACGGCAACGGCTCACATCCAGAGG 479
Qy 867 CTCTCAGACACCCCTGGATCACSCCGGTGAGCACACAGCAAGCTGGAGCTGG 926
Db 480 CTCTCAGACACCCCTGGATCACSCCGGTGAGCACACAGCAAGCTGGAGCTGG 539
Qy 987 TCAGCATCGTCCTGTCGGAGACCTCACCCCGTCGCTGATGAGAAGGGTGACTGA 1046
Db 600 TCAGCATCGTCCTGTCGGAGACCTCACCCCGTCGCTGATGAGAAGGGTGACTGA 659

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Indels 0; Gaps 0;
 Matches 1047; Conservative 0; Mismatches 8;

| QY | DB | Sequence |
|---------|---------|--|
| QY 1047 | Db 660 | GCCGGATGAGGACCTGAGGAACGTGAGACTGACACTGAGGAGCATGCCAGGAA 1106 GCCTGGATGAGGACCTGAGGAACGTGAGACTGACACTGAGGAGCATGCCAGGAA 719 |
| QY 1107 | Db 720 | AAGCCCTCACCAACGAGGAGGAGAGACCTTCAACTGGCTGACCTGACCTGGCG 1166 AAGCCCTCACCAACGAGGAGGAGAGACCTTCAACTGGCTGACCTGACCTGGCG 779 |
| QY 1167 | Db 780 | CCAAGGAGTTGSGCCASCGGAGCTCCCTCTTGAGAGACTTGGACCCAGCTCAGC 1226 CCAAGGAGTTGSGCCASCGGAGCTCCCTCTTGAGAGACTTGGACCCAGCTCAGC 839 |
| QY 1227 | Db 840 | ACCAAGCCGGCGTCTGAGCAAGAGATGGCCCAGGAACTGGCCAAAGGATTAGA 1286 ACCAAGCCGGCGTCTGAGCAAGAGATGGCCCAGGAACTGGCCAAAGGATTAGA 899 |
| QY 1287 | Db 900 | GCTTGAGGCHAGCCAGGAGACCTCTGGAGCTTGAGCTTGAGGAGCTTCGAGCTC 1346 GCTTGAGGCHAGCCAGGAGACCTCTGGAGCTTGAGCTTGAGGAGCTTCGAGCTC 959 |
| QY 1347 | Db 960 | GCATTCACAAGCTCTTAATCTCCATAAATGGCTTCTCTCTGCTGACCTGCTCA 1406 GCATTCACAAGCTCTTAATCTCCATAAATGGCTTCTCTCTGCTGACCTGCTCA 1019 |
| QY 1407 | Db 1020 | GTCTGGGTGGGAGTGGACTTAGGAAACAAATAAGGACATCTCATCACGG 1466 GTCTGGGTGGGAGTGGACTTAGGAAACAAATAAGGACATCTCATCACGG 1079 |
| QY 1467 | Db 1080 | GTGAAAGGTAGACTTAATCTCCACAGGTGGACAGGGGTTCAGAACACCTGGC 1526 GTGAAAGGTAGACTTAATCTCCACAGGTGGACAGGGGTTCAGAACACCTGGC 1139 |
| QY 1527 | Db 1140 | CAAATAATTACCAAGAGACAGAGACTCCCTGGACAGGTGAGGAGTCAGAACCTG 1586 CAAATAATTACCAAGAGACAGAGACTCCCTGGACAGGTGAGGAGTCAGAACCTG 1199 |
| QY 1587 | Db 1200 | GAACCTGGGTGAGGACCAATCTGACCTCCAGAACCTGGAAAGCCAGACGTC 1646 GAACCTGGGTGAGGACCAATCTGACCTCCAGAACCTGGAAAGCCAGACGTC 1259 |
| QY 1647 | Db 1260 | AGGCTGACCAACCTCAGACCTCTGAGGAGGCCATTCTGGCCGGCATGTGTA 1706 AGGCTGACCAACCTCAGACCTCTGAGGAGGCCATTCTGGCCGGCATGTGTA 1319 |
| QY 1707 | Db 1320 | TTGCTCATTTAACTCTCTGGTTACCTGA 1741 TTGCTCATTTAACTCTCTGGTTACCTGA 1354 |

RESULT 2

US-09-719-928-10

; Sequence 10, Application US/09211928

; Parent No. 6121030

GENERAL INFORMATION:

; APPLICANT: Action, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MNI-050

; CURRENT APPLICATION NUMBER: US/09/221,928

; CURRENT FILING DATE: 1998-12-28

; EARLIER FILING NUMBER: 09/163,115

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 10

; LENGTH: 1864

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE: CDS

; NAME/KEY: (275) .. (754)

; LOCATION: (275) .. (754)

US-09-221-928-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Indels 0; Gaps 0;
 Matches 1047; Conservative 0; Mismatches 8;

| QY | DB | Sequence |
|---------|---------|--|
| QY 687 | Db 300 | TCCCTTAAGTGGAGCATCCCTTCCGGAGACAGGAAACATGCGAAATA 746 TCAGTTATGGAGCATCCCTTCCGGAGACAGGAAACATGCGAAATA 359 |
| QY 747 | Db 360 | TCACATCAGTGGACTCTGAGCTTGAGGAACTTCAGGCCATCGAGGCG 806 TCACAGCAGTGGACTCTGAGGAACTTCAGGCCATCGAGGCG 419 |
| QY 807 | Db 420 | AGGACTTATCGAGCTCTGTTAAGGACCCGAAACGGCTCACATCCAGG 866 AGGACTTATCGAGCTCTGTTAAGGACCCGAAACGGCTCACATCCAGG 479 |
| QY 867 | Db 480 | CTCTCAGAACCCCTGGATACCGCGGTGGACACCAAGGAACTGGAG 926 CTCTCAGAACCCCTGGATACCGCGGTGGACACCAAGGAACTGGAG 539 |
| QY 927 | Db 540 | CTGTTGTCATCTGGAGAACCTTCAGGAAGCAGTATGTCGGCAGCGG 986 CTGTTGTCATCTGGAGAACCTTCAGGAAGCAGTATGTCGGCAGCGG 599 |
| QY 987 | Db 600 | TCAAGATCTGCTCTGACACCTGGAACTGGAGCTCTGTTGAGG 1046 TCAAGATCTGCTCTGACACCTGGAACTGGAGCTCTGTTGAGG 659 |
| QY 1047 | Db 660 | GGCGGATGAGGACTCTGGAACTGGAGCTGTCGGAGCGGAGGAGT 1106 GGCGGATGAGGACTCTGGAACTGGAGCTGTCGGAGCGGAGGAGT 719 |
| QY 1107 | Db 720 | AAGCCCTCACCAACGGAGGAGGAGCACCCCTCTAATGGCTGAGT 1166 AAGCCCTCACCAACGGAGGAGGAGCACCCCTCTAATGGCTGAGT 779 |
| QY 1167 | Db 780 | CCAGGGAGTTGGCCAGGGGGCTCTGGCAGACTTGGCTGAGCTGG 1226 CCAGGGAGTTGGCCAGGGGGCTCTGGCAGACTTGGCTGAGCTGG 839 |
| QY 1227 | Db 840 | ACCGCACCGGGCTCTGAGACTTGGCAAGAGAGATGGCCCAAGGA 1286 ACCGCACCGGGCTCTGAGACTTGGCAAGAGAGATGGCCCAAGGA 899 |
| QY 1287 | Db 900 | GCTTGAGGACCAAGGAGACCTCTGGAGCTGGTGTCTCTGTTGG 1346 GCTTGAGGACCAAGGAGACCTCTGGAGCTGGTGTCTCTGTTGG 959 |
| QY 1347 | Db 960 | GCATTCACAAGCTCTTAATCTCCATAAATGGCTTCTCTGCTCATCT 1406 GCATTCACAAGCTCTTAATCTCCATAAATGGCTTCTCTGCTCATCT 1019 |
| QY 1407 | Db 1020 | GTCTGGGTGGGAGTGGACTTAGGAAACAAATAAGGACATCTCATCACGG 1466 GTCTGGGTGGGAGTGGACTTAGGAAACAAATAAGGACATCTCATCACGG 1079 |
| QY 1467 | Db 1080 | GTGAGGTAGACTTAATCTCCACAGGTGGCTCCATGGGAACGGCTGC 1526 GTGAGGTAGACTTAATCTCCACAGGTGGCTCCATGGGAACGGCTGC 1139 |
| QY 1527 | Db 1140 | CAAATAATTACCAAGAGACAGAGACTCCCTGGACAGGAGTGGAGT 1586 CAAATAATTACCAAGAGACAGAGACTCCCTGGACAGGAGTGGAGT 1199 |
| QY 1587 | Db 1200 | GAACCTGGGTGAGGACCAATCTCTGACCTCCAGAGACGAGCTGC 1259 GAACCTGGGTGAGGACCAATCTCTGACCTCCAGAGACGAGCTGC 1706 |
| QY 1647 | Db 1260 | AGGCTGACCAACCTCAGACCTCTGAGGAGGCCATTCTGGCCCATG 1646 AGGCTGACCAACCTCAGACCTCTGAGGAGGCCATTCTGGCCCATG 1319 |
| QY 1707 | Db 1707 | TTGCTCATTTAACTCTGGTTACCTGA 1741 TTGCTCATTTAACTCTGGTTACCTGA 1354 |

Db 1320 TTGCTCATTTTAACCTCTGGTTACCTGA 1354
 RESULT 3
 US-09-221-527-10
 ; Sequence 10; Application US/09221527
 ; Patent No. 614632
 ; GENERAL INFORMATION:
 ; APPLICANT: Action, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MNI-050
 ; CURRENT APPLICATION NUMBER: US/09/221,527
 ; CURRENT FILING DATE: 1998-12-28
 ; EARLIER APPLICATION NUMBER: 09/163,115
 ; EARLIER FILING DATE:
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (275)..(754)
 ; US-09-221-527-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAAGTGGAGATCCCTTTCCTGGAGAACAGGAGAACACTGGCAATA 746
 Db 300 TCAGCTTAAGTGGAGATCCCTTTCCTGGAGAACAGGAGAACACTGGCAATA 359
 Qy 747 TCACAGCATAGTGAGTAGCATTGAGCTTGTGAGGAATTCTTCAGCCATACAGGCAGGAGCTGGCCA 806
 Db 360 TCACAGCATAGTGAGTAGCATTGAGCTTGTGAGGAATTCTTCAGCCATACAGGCAGGAGCTGGCCA 419
 Qy 807 AGGACTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCAAAGGG 866
 Db 420 AGGACTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCAAAGGG 479
 Qy 867 CTCTCTAGACACCCCTGGATCACCGCGGTGACACAGGAGCATGGGGAGT 926
 Db 480 CTCTCTAGACACCCCTGGATCACCGCGGTGACACAGGAGCATGGGGAGT 539
 Qy 927 CTGGTCAATCTGGAGAACTTCGGGAACGAGTATGTCGGCAGGGGGTGAACCTTCTC 986
 Db 540 CTGGTCAATCTGGAGAACTTCGGGAACGAGTATGTCGGCAGGGGGTGAACCTTCTC 599
 Qy 987 TCGACATGGTCTCTGGCAACACCTCACCGCTCGTGTGAGAGGGTGACCTGTA 1046
 Db 600 TCGACATGGTCTCTGGCAACACCTCACCGCTCGTGTGAGAGGGTGACCTGTA 659
 Qy 1047 GCCCGGATGAGGAGCTGGAGAATGTGAGAGTGCACTGGAGGACATGCCAGGGGA 1106
 Db 660 GGCGGAGTGGAGGAGCTGGAGAATGTGAGAGTGCACTGGAGGACATGCCAGGGGA 719
 Qy 1107 AAGCCCTCACCCTGGAGGGAGGAGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGCTCG 1166
 Db 720 AAGCCCTCACCCTGGAGGGAGGAGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGCTCG 779
 Qy 1167 CCGGGGAGTTGGCCCTGGAGGGAGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGCTCG 1226
 Db 780 CCAGGGAGGAGCTGGAGGAGGAGGAGGAGGAGCTCTCAACTGGCTGTGAGCTCG 839
 Qy 1227 ACCGGCACCGGGGCTCTGAGCTTCAAGAGAGATGGCCCAAGGAATTCAGAGA 1286
 Db 840 ACCGGCACCGGGGCTCTGAGCTTCAAGAGAGATGGCCCAAGGAATTCAGAGA 899
 Qy 1287 GCTTGAGGAGGAGGAGGAGGAGCTGGAGCTGTTGCTCTTCTGAGGAGGCTCCA 1346

Db 900 GCTTGAGGAGGAGGAGGAGCTGGAGCTGCTCTGAGGAGGCTCCA 959
 Qy 1347 GCATTCCTCAAGCTCTTAATCTCCATATAATGGCTTCTCTGCTGCCCCTCTGTCAGA 1406
 Db 960 GCATTCCTCAAGCTCTTAATCTCCATATAATGGCTTCTCTGTCAGA 1019
 Qy 1407 GTCTGGGGGGAGTGAGCTAGGAAAACATAAAGGACATCCCTCATCATCACGG 1466
 Db 1020 GTCTGGGGGGAGTGAGCTAGGAAAACATAAAGGACATCCCTCATCACGG 1079
 Qy 1467 GTGAGGTGAGTAGGAGGAGCTGGCTTCAAGGCTGAGGGGTTCAGAACAGGCTGCC 1526
 Db 1080 GTGAGGTGAGTAGGAGGAGCTGGCTTCAAGGCTGAGGGGTTCAGAACAGGCTGCC 1139
 Qy 1527 CAAATTAATCAGAGAGACAGAGCTGCTCCCATGGGAACAGGTTATGAGGAAGT 1586
 Db 1140 CAATTAATCAGAGAGACAGAGCTGCTCCCATGGGAACAGGTTATGAGGAAGT 1199
 Qy 1587 GAACCTTGGGTGAGGAGAACATCTGAGCTGACCTCCAGGGGTTCAAGAACGCCCTGC 1646
 Db 1200 GAACCTTGGGTGAGGAGAACATCTGAGCTGACCTCCAGGGGTTCAAGAACGCCCTGC 1259
 Qy 1647 AGGTGACCAACCTCAGACCTCTGAGAGGCCATGTCTGGCCGGCATGTGTAAT 1706
 Db 1260 AGGTGACCAACCTCAGACCTCTGAGAGGCCATGTCTGGCCGGCATGTGTAAT 1319
 Qy 1707 TTGCTCATTTTAACCTCTGGTTACCTGA 1741
 Db 1320 TTGCTCATTTTAACCTCTGGTTACCTGA 1354

RESULT 4
 US-09-221-236-10
 ; Sequence 10; Application US/09221236
 ; Patent No. 6146341
 ; GENERAL INFORMATION:
 ; APPLICANT: Action, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MNI-050
 ; CURRENT APPLICATION NUMBER: US/09/221,236
 ; CURRENT FILING DATE: 1998-12-28
 ; EARLIER APPLICATION NUMBER: 09/163,115
 ; EARLIER FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (275)..(754)
 ; US-09-221-236-10

Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 2.6e-270; Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCTCTTAAAGTGGAGATCCCTTTCCTGGAGAACAGGAGAACACTGGCAATA 746
 Db 300 TCAGCTTAAGTGGAGATCCCTTTCCTGGAGAACAGGAGAACACTGGCAATA 359
 Qy 747 TCACAGCATAGTGAGTAGCATTGAGCTTGTGAGGAATTCTTCAGGCCATACAGGCAGGAGCTGGCCA 806
 Db 360 TCACAGCATAGTGAGTAGCATTGAGCTTGTGAGGAATTCTTCAGGCCATACAGGCAGGAGCTGGCCA 419
 Qy 807 AGGACTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCAAAGGG 866
 Db 420 AGGACTTATTCGAAAGCTCTGGTTAAGAGAACGCCGAAACGGCTCACAACTCAAAGGG 479
 Qy 867 CTCTCAGACACCCCTGGATCACCGCGGTGACACAGGAGCATGGGGAGT 926
 Db 480 CTCTCAGACACCCCTGGATCACCGCGGTGACACAGGAGCATGGGGAGT 539

QY 927 CTGTGGTCAATCTGGAGAACITCAGGAGCGATGTCAGGAGCTTCAGGAGACCTCCAGGGCTGGAGAGCTTCCT 986 ; LENGTH: 1864
Db 540 CTGTGGTCAATCTGGAGAACITCAGGAGCGATGTCAGGAGCTTCAGGAGACCTCCAGGGCTGGAGAGCTTCCT 599 ; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
; US-09-221-416-10
Query Match 59.8%; Score 1042.2; DB 3; Length 1864;
Best Local Similarity 93.2%; Pred. No. 2.6e-270;
Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
Db 600 TCAAGATCGTGCTCTGTGCACACACTCACCGCTGCTGATGAGAAGGGCATGCCGGAGA 1016
Db 660 GGCAGATGAGAACCTGAGGA 659
Db 660 GGCAGATGAGAACCTGAGGA 719
Qy 1107 AAGCCCTCCACCAACGAGGAGGAGGAGCACCTTAACCTGGCGTGCACCTGCAAGGGCG 1166
Db 720 AAGCCCTCCACCAACGAGGAGGAGCACCTTAACCTGGCGTGCACCTGCAAGGGCG 779
Qy 1167 CCAGGGAGGTCTGGGCCAGGGGGCTCCCTCTCTGCAACACTTTGGACCACTCAGC 1226
Db 780 CCAGGGAGGTCTGGGCCAGGGGGCTCCCTCTGCAACACTTTGGACCACTCAGC 839
Qy 1227 ACCACACCAGGGGCGRCCTAGAACITCTGAGAGAGATGGGCCAAGGAATTAGAAGA 1286
Db 840 ACCAGACCCTGGGCGRCCTAGAACITCTGAGAGAGATGGGCCAAGGAATTAGAAGA 839
Qy 1287 GCTTCAGGAGGAGGAGGAGGACCTCTGGAGCTGTCCTTGAGGGAGCTTC 1346
Db 900 GCTTCAGGAGGAGGAGGACCTCTGGAGCTGTCCTTGAGGGAGCTTC 959
Qy 1347 GCATTCACAAGCTCTTAATCTCTCCATAAAATGAGGAGCTCTCATCACACGG 1406
Db 960 GCATTCACAAGCTCTTAATCTCTCCATAAAATGAGGAGCTCTCATCACACGG 1406
Qy 1407 GTCTGGGTGGATGGATGGACTTGTAGGAACAAATAAAGGACTCTCATCACACGG 1466
Db 1020 GTCTGGGTGGATGGATGGACTTGTAGGAACAAATAAAGGACTCTCATCACACGG 1079
Qy 1467 GTGAGGGTCAGAGTAGGAGCCTCTTCACAGGTCAGGGGTCTGAGACACCTGCG 1526
Db 1080 GTGAGGGTCAGACTTAAGGAGACCTCTTCACAGGTCAGGGGTCTGAGACACCTGCG 1139
Qy 1527 CAAAAATTACACCAAGAGAGACGCTCTCCCTATGGACAGGGTGTAGGAAGT 1586
Db 1140 CAAAAATTACACCAAGAGAGACGCTCTCCCTATGGACAGGGTGTAGGAAGT 1199
Qy 1587 GAACCTGGGTGGGGACCAATCTGTGACCTCCAGAACATGGAGACAGGACGTC 1646
Db 1200 GAACCTGGGTGGGGACCAATCTGTGACCTCCAGAACATGGAGACAGGACGTC 1259
Qy 1647 AGGTGACCAACACTCAGAACCTCTGAAGCAGGCCATGTCGCCCATGTC 1706
Db 1260 AGGTGACCAACACTCAGAACCTCTGAAGCAGGCCATGTCGCCCATGTC 1319
Qy 1707 TTGCTCATTTTTAACCTCTGGTTACCTA 1741
Db 1320 TTGCTCATTTTTAACCTCTGGTTACCTA 1354

RESULT 5
US-09-221-416-10
; Sequence 10, Application US/09221416
; Patent No. 6153417
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,416
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09163, 115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10

RESULT 6
 US-09-221-245-10
 ; Sequence 10, Application US/09221245
 ; Patent No. 6180358
 ; GENERAL INFORMATION:
 ; APPLICANT: Action, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/221, 245
 ; EARLIER APPLICATION NUMBER: US 09/163, 115
 ; EARLIER FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; FEATURE: CDS
 ; NAME/KEY: CDS
 ; LOCATION: (275) .. (754)
 ; US-09-221-245-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local Similarity 99 2%; Pred. No. 2.6e-270;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCACTCCCTTCCTGGAGACAGAGAGAAACTGCAATA 746
 Db 300 TCACCTTAAGTGGGACATCCCTTCCTGGAGACAGAGAGAAACTGCAATA 359
 Qy 747 TCACATCAGTGAGTAGACTTGATGAGGAATTCTACCCATACGGGGAGTTGCCA 806
 Db 360 TCAAGCAGTGAGTAGACTTGATGAGGAATTCTACCCATACGGGGAGTTGCCA 419
 Qy 807 AGGACTTTATTCGAGAGCTCTGGTTAACAGAGACGCCAACGCTCACATCCAGAGG 866
 Db 420 AGGACTTTATTCGAGAGCTCTGGTTAACAGAGACGCCAACGCTCACATCCAGAGG 479
 Qy 867 CTCTCAGAACCCCCCTGATCACGGGGAGAACCCAGAGAGCATGGGGAGGGACT 926
 Db 480 CTCTCAGAACCCCCCTGATCACGGGGAGAACCCAGAGAGCATGGGGAGGGACT 539
 Qy 927 CTGGGTCAACTCGAGAAGCTCGAGAGGATGTCCCGAGGGGGAGGTTCT 986
 Db 540 CTGGGTCAACTCGAGAAGCTCGAGAGGATGTCCCGAGGGGGAGGTTCT 599
 Qy 987 TCACATCGTCCTGTGACACCACTCACCCCTCGTGTGATCAAAGAGGTGCACCTA 1046
 Db 600 TCACATCGTCCTGTGACACCACTCACCCCTCGTGTGATCAAAGAGGTGCACCTA 659
 Qy 1047 GGCGGAGTAGGAGCTGAGGAAGCTGAGAGTGAGACTGAGGGAGACATGCCGGAGA 1106
 Db 660 GGCGGAGTAGGAGCTGAGGAAGCTGAGAGTGAGACTGAGGGAGACATGCCGGAGA 719
 Qy 1107 AAGCCTCCACCCGGAGGGAGGACCTAATGGCTGACCTGCGTGTGAGGTGCACCTA 1166
 Db 720 AAGCCTCCACCCGGAGGGAGGACCTAATGGCTGACCTGCGTGTGAGGTGCACCTA 779
 Qy 1167 CCAGGAGGTGGGCCACGGGGAGCTCCCTCTGTGAGACTTTGGACCACTCACC 1226

RESULT 7
 US-09-163-115-10
 ; Sequence 10, Application US/09163115A
 ; Patent No. 6183962
 ; GENERAL INFORMATION:
 ; APPLICANT: Action, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/163, 115A
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; FEATURE: CDS
 ; NAME/KEY: CDS
 ; LOCATION: (275) .. (754)
 ; US-09-163-115-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local Similarity 99 2%; Pred. No. 2.6e-270;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCACTCCCTTCCTGGAGACAGAGAGAAACTGCAATA 746
 Db 300 TCACCTTAAGTGGGAGCATCCCTTCCTGGAGACAGAGAGAAACTGCAATA 359
 Qy 747 TCACATCAGTGAGTAGACTTGATGAGGAATTCTACCCATACGGGGAGGCTGCCA 806
 Db 360 TCACAGCAGTGAGTAGACTTGATGAGGAATTCTACCCATACGGGGAGGCTGCCA 419
 Qy 807 AGGACTTTATTCGAGAGCTCTGGTTAACAGAGACGCCAACGCTCACATCCAGAGG 866
 Db 420 AGGACTTTATTCGAGAGCTCTGGTTAACAGAGACGCCAACGCTCACATCCAGAGG 479
 Qy 867 CTCTCAGAACCCCCCTGATCACGGGGAGAACCCAGAGAGCATGGGGAGGGACT 926
 Db 480 CTCTCAGAACCCCCCTGATCACGGGGAGAACCCAGAGAGCATGGGGAGGGACT 539
 Qy 927 CTGGGTCAACTCGAGAAGCTCGAGAGGATGTCCCGAGGGGGAGGTTCT 986
 Db 540 CTGGGTCAACTCGAGAAGCTCGAGAGGATGTCCCGAGGGGGAGGTTCT 599
 Qy 987 TCACATCGTCCTGTGACACCACTCACCCCTCGTGTGATCAAAGAGGTGCACCTA 1046
 Db 600 TCACATCGTCCTGTGACACCACTCACCCCTCGTGTGATCAAAGAGGTGCACCTA 659
 Qy 1047 GGCGGAGTAGGAGCTGAGGAAGCTGAGAGTGAGACTGAGGGAGACATGCCGGAGA 1106
 Db 660 GGCGGAGTAGGAGCTGAGGAAGCTGAGAGTGAGACTGAGGGAGACATGCCGGAGA 719
 Qy 1107 AAGCCTCCACCCGGAGGGAGGACCTAATGGCTGACCTGCGTGTGAGGTGCACCTA 1166
 Db 720 AAGCCTCCACCCGGAGGGAGGACCTAATGGCTGACCTGCGTGTGAGGTGCACCTA 779
 Qy 1167 CCAGGAGGTGGGCCACGGGGAGCTCCCTCTGTGAGACTTTGGACCACTCACC 1226

US-03-221-528-10

RESULT 8

; Sequence 10, Application US/09221528

; Patent No. 6,190874

; GENERAL INFORMATION:

; APPLICANT: Acton, Susan

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MINI-050

; CURRENT APPLICATION NUMBER: US/09/221,528

Db 420 AGGACTTATTCGGAACTCTCGGTTAAGAGACCCGAACGGCTCACATTCAAGAGG 479

Db 867 CTCCTCAGAACCCCTGGATCAGCCGCTGACAAACCGAAGCCATGTGAGCGGT 926

Db 480 CTCTCAGAACCCCTGGATCAGCCGCTGACAAACCGAAGCCATGTGAGCGGT 539

Db 927 CTGTGGTCATCTGGAGAACCTTCAGGAAGCACTATGTCAGGAGCTGAAAGCTTCTC 986

Db 540 CTGTGGTCATCTGGAGAACCTTCAGGAAGCACTATGTCAGGAGCTGAAAGCTTCTC 599

Qy 987 TCAAGCATGTGTCCTGCAACCACCTCACCGCTGTCAGAAGAAGGTGACCTGA 1046

Db 600 TCAAGCATGTGTCCTGCAACCACCTCACCGCTGTCAGAAGAAGGTGACCTGA 659

Qy 1047 GCGCGGATGAGGACCTGAGGAACGTGAGAGTGCAGACTGACACTGAGGAGCATGCCAGAGGA 1106

Db 660 GCGCGGATGAGGACCTGAGGAACGTGAGAGTGCAGACTGAGGAGCATGCCAGAGGA 719

Qy 1107 AAGCCCTTCACCCACCGAGGAGGAGGAGCCTCTTAACCTGACCTGCGCTGACCTGAGGG 1166

Db 720 AAGCCCTTCACCCACCGAGGAGGAGCCTCTTAACCTGACCTGCGCTGACCTGAGGG 779

Qy 1167 CCAGGGAGGTGCGGCCAGGGGGCTCCCTCTGTCAGAAGCTTGTGAGGAGCATGCCAGAGGA 1226

Db 780 CCAGGGAGGTGCGGCCAGGGGGCTCCCTCTGTCAGAAGCTTGTGAGGAGCATGCCAGAGGA 839

Qy 1227 ACCAGGCCCGGCGCTCTGAGCACTTGAGAGAGATGGCCCAAGGAGATTCGAAGA 1286

Db 900 GCTGCAAGGAAAGGAGGAGGAGGAGCTGGAGTGTGCTCTGAGGAGGCTCA 959

Db 840 ACCAGGCCCGGCGCTCTGAGCACTTGAGAGAGATGGCCCAAGGAGATTCGAAGA 899

Qy 1287 GCTTGAGGGAGCCACCCACCGAGGAGGAGCCTCTGGAGGCTGTCGTTCTGAGGGAGCTCCA 1346

Db 960 GCTTCCACAAAGCTCTTAATTCCTAAATGGGTTTCTCTCTCTCTCATCTCAGA 1019

Qy 1407 GTCTCGGGTGGGGAGTGTGGATTAGGAAACATAAAGACATCTCTCATCACGG 1466

Db 1020 GTCTCGGGTGGGGAGTGTGGATTAGGAAACATAAAGACATCTCTCATCACGG 1079

Qy 1467 GTGAGGGCTGAGTAGGGCGCTCTCAGAGGTGAGGGGGTTCAGAACCAGCTGCC 1526

Db 1080 GTGAAGGTCACTAAAGGACCTTCAGGAGGAGGAGCTGGAGGAGCTGCC 1139

Qy 1527 CAAAAATTACCAAGGAGAGAGAGGAGCTGGACAGGGTGTAGGAAAGT 1586

Db 1140 CAAAAATTACCAAGGAGAGAGAGGAGCTGGACAGGGTGTAGGAAAGT 1199

Qy 1587 GAACTCTGGGTGGAGGAGCAATCTGTCACCTCCAGAACCTGAAAGCCAGCTGC 1646

Db 1200 GAACCTTGGTGTGAGGGACAACTCTGTCACCTCCAGAACCTGAAAGCCAGGAGCTGCC 1259

Qy 1647 AGGCTGACCAACACCTTCAGGCTCTGAAGACAGGCAATCTGTCACCTGC 1706

Db 1260 AGGCTGACCAACACCTTCAGGCTCTGAAGACAGGCAATCTGTCACCTGC 1319

Qy 1707 TTGGCTATTAAACTCTGGTTACCTGA 1741

Db 1320 TTGGCTCATTTTAAACTCTGGTTACCTGA 1354

SEQ ID NO 10

LENGTH : 1864

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (275)..(754)

US-09-221-528-10

Query Match 59.8%; Score 1042.2; DB 4; Length 1864;

Best Local Similarity 99.2%; Pred. No. 2.6e-270;

Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

| Qy | Db | Start | End | Length | Score | E-value |
|--|---|-------|------|--------|--------|----------|
| Qy 687 TCCTCTTAATGTGGAGCATCCCTTCTCTGGAGCACAGAGGAAACACTGCAATA | Db 300 TCAAGCTTAATGTGGAGCATCCCTTCTCTGGAGAGCACAGAGGAAACACTGCAATA | 746 | 746 | 1864 | 1042.2 | 2.6e-270 |
| Qy 747 TCACTACTGAGTCACTGAGCTTGTGAGGAATCTCAGCCATAACGCCAGCTGGCA | Db 420 AGGACTTATTCGGAGCCTCTGGTTAAGAGACCCGCTCAATCCAAAGG | 806 | 806 | 1864 | 1042.2 | 2.6e-270 |
| Qy 807 AGGACTTATTCGGAGCCTCTGGTTAAGAGACCCGCTCAATCCAAAGG | Db 360 TCAAGCACTGAGTCACTGAGCTTGTGAGGAATCTCAGCCATAACGCCAGCTGGCA | 419 | 419 | 1864 | 1042.2 | 2.6e-270 |
| Qy 867 CTCTCGAGAACCCGTGATACCGCGTGGAGCACACCCACCGCAAGGAAACGCTGCGAGCTGGCA | Db 480 CTCTCAGAACCCCTGATACCCGGTGGAGCACACCCACCGCAAGGAAACGCTGCGAGCTGGCA | 866 | 866 | 1864 | 1042.2 | 2.6e-270 |
| Qy 927 CTGTGGTCATCTGGAGAACCTGAGGAGCTGGAGCATTCATCTCATCACGG | Db 540 CTGTGGTCATCTGGAGAACCTGAGGAGCTGGAGCATTCATCTCATCACGG | 986 | 986 | 1864 | 1042.2 | 2.6e-270 |
| Qy 987 TCAAGCATGTGTCCTGCAACCACCTCACCGCTGTCAGAAGAAGGTGACCTGA | Db 600 TCAAGCATGTGTCCTGCAACCACCTCACCGCTGTCAGAAGAAGGTGACCTGA | 599 | 599 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1047 GCGCGGATGAGGAGCTGAGAGTGCAGACTGAGGAGCATTCATCACGG | Db 660 GCGCGGATGAGGAGCTGAGAGTGCAGACTGAGGAGCATTCATCACGG | 1106 | 1106 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1107 AAGCCCTTCACCCACGGAGGGAGGAGCCTCTGGAGGAGCATTCATCACGG | Db 720 AAGCCCTTCACCCACGGAGGGAGGAGCCTCTGGAGGAGCATTCATCACGG | 779 | 779 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1167 CCAGGGAGSTTGGGCCAGCGGGCTCCCTCTGTCAGCTTGTGAGGAGCTGCC | Db 780 CCAGGGAGGTCTGGGCCAGCGGGCTCCCTCTGTCAGCTTGTGAGGAGCTGCC | 1226 | 1226 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1227 ACCAGACCCGGCGCTCTGAGCACTTGTGAGGAGATGGCCCAAGGAATCAGA | Db 840 ACCAGACCCGGCGCTCTGAGCACTTGTGAGGAGATGGCCCAAGGAATCAGA | 899 | 899 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1287 GCTTGAGGGAGCCAGGAGAGACCTGGAGCTGTCAGAGAGATGGCCCAAGGAATCAGA | Db 900 GCTTGGAGGGAGCCAGGAGAGACCTGGAGCTGTCAGAGAGATGGCCCAAGGAATCAGA | 1346 | 1346 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1347 GCATCCCCAAAGCTCTTAACTCTGGCTTCCMTCTGTGCTGCCATCTCTGAGA | Db 1020 GTCTGGGGGGGGTCTGTGAGCTTGTGAGGAGCATTCATCACGG | 1019 | 1019 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1407 GTCTGGGGGGGGTCTGTGAGCTTGTGAGGAGCATTCATCACGG | Db 1467 GTGAGGTCACTGAGTAAGGAGCACTCTCACGGCTGGGGGGTCTGAGAACCCGCTGCC | 1466 | 1466 | 1864 | 1042.2 | 2.6e-270 |
| Qy 1467 GTGAGGTCACTGAGTAAGGAGCACTCTCACGGCTGGGGGGTCTGAGAACCCGCTGCC | Db 1080 GTGAGGTCACTGAGTAAGGAGCACTCTCACGGCTGGGGGGTCTGAGAACCCGCTGCC | 1139 | 1139 | 1864 | 1042.2 | 2.6e-270 |

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1527 CAAATAACCAACGGAGACAGTCTCCCATGGAACACGGTATGAGAAGT 1586
 Db 1140 CAAATAACCAACGGAGACAGTCTCCCATGGAACACGGTATGAGAAGT 1199
 Qy 187 GAACCTTGGTGTAGGGACCAATTCTGTGACCTCCAGAACCTGGAAAGCCTC 1646
 Db 1200 GAACCTTGGTGTAGGGACCAATTCTGTGACCTCCAGAACCTGGAAAGCCTC 1259
 Qy 1647 AGGTGACCAACACTCTAGACCTCTGAGACGCCATGGCCATGTGTAAT 1706
 Db 1260 AGGTGACCAACACTCTAGACCTCTGAGACGCCATGGCCATGTGTAAT 1319
 Qy 1707 TTGCTCATTTTAACCTCGGTTACCTGA 1741
 Db 1320 TTGCTCATTTTAACCTCGGTTACCTGA 1354

RESULT 9
 US 09-593-553-10
 ; Sequence 10, Application US/09593553
 ; Patent No. 6200770
 ; GENERAL INFORMATION:
 ; APPLICANT: Actor, Susan
 ; TITLE OF INVENTION: NOVEL CSARK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/593, 553
 ; CURRENT FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: 1998-09-28
 ; PRIOR FILING DATE: 1998-09-28
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; NAME/KEY: CDS
 ; LOCATION: (275) .. (754)
 ; US-09-593-553-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCATCCCTTCCTGGAGCACGAGGAGAACACTGCAATA 746
 Db 300 TCACCTTAAGTGGGCATCCCTTCCTGGAGCACGAGGAGAACACTGCAATA 359
 Qy 747 TCACATCAGTAGGTTAGACTTGTAGGAGATTCTGCCATACGGAGGGTGGCA 806
 Db 360 TCACAGCAGTAGGTTAGACTTGTAGGAGATTCTGCCAGACGAGGGTGGCA 419
 Qy 807 AGGACTTTATCGGAAAGCTCTGGTAAGAGAACGGGAAACGCTCAGATCCAGAGG 866
 Db 420 AGGACTTTATCGGAAAGCTCTGGTAAGAGAACGGGAAACGCTCAGATCCAGAGG 479
 Qy 867 CTCTCAGACCCCCCTGATCACGGGGTGACACCCAGAGGATGGCGAGGGAGT 926
 Db 480 CTCTCAGACCCCCCTGATCACGGGGTGACACCCAGAGGATGGCGAGGGAGT 539
 Qy 927 CTGGGTCACTGGAGAACTTCAGGAAGGAGTTGTCGGCAGGGGGTGGAGTTCT 986
 Db 540 CTGGGTCACTGGAGAACTTCAGGAAGGAGTTGTCGGCAGGGGGTGGAGTTCT 509
 Qy 987 TCACGATCGTCCCTGTGACACCCCTCGCTGATGAGAAGGTGACCTGA 1046
 Db 600 TCACGATCGTCCCTGTGACACCCCTCGCTGATGAGAAGGTGACCTGA 659
 Qy 1047 GGCGGGATGGAGACTCTGAGAGTGTGACCTGGAGACATGCCGGAGGA 1106
 Db 660 GGCGGGATGGAGACCTGGAGACCTGTGAGAGTGTGACCTGGAGACATGCCGGAGGA 719

RESULT 10
 US-09-221-237-10
 ; Sequence 10, Application US/09221237
 ; Patent No. 6214597
 ; GENERAL INFORMATION:
 ; APPLICANT: Actor, Susan
 ; TITLE OF INVENTION: NOVEL CSARK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MINI-050
 ; CURRENT APPLICATION NUMBER: US/09/221, 237
 ; CURRENT FILING DATE: 1998-12-28
 ; EARLIER APPLICATION NUMBER: 1998-09-163, 115
 ; EARLIER FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: CDS
 ; NAME/KEY: CDS
 ; LOCATION: (275) .. (754)
 ; US-09-221-237-10

Query Match 59 8%; Score 1042 2; DB 4; Length 1864;
 Best local similarity 99 2%; Pred. No. 2.6e-270;
 Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 687 TCCCTTAAGTGGGCATCCCTTCCTGGAGCACGAGGAGAACACTGCAATA 746

US-09-159-385-3
; Sequence 3, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: KAWAI, SHIZUO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT APPLICATION NUMBER: US/09/159, 385
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JPP7/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
; US-09-159-385-3
Query Match 29.6%; Score 515.6; DB 2; Length 2132;
Best Local Similarity 76.1%; Prid No. 7.3e-129;
Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0
Qy 61 CATGGCCATTCAAGCAGCAGAAGGAGCTTATGACATCGAGAGGAGCTCG 120
Db 93 CAGTCACCTTCAGCAGGAGACCTTGAGGAGCATGGCCAGTGGCG 152
Qy 121 GAGTGGCAGTTGCCATGTGAAGAAGTGCAGGGAGAGAGAGGGCTTGAGATGC 180
Db 153 CAGGGCCAGTTGCACTGTGCCAGTGCAAGGGCTCCCTTGAGACTTTGGACCGAGTCAGC 212
Qy 181 AGCCAGTTCATCAAGAAGGGCGAGGCCGGCAGCCGGCGCGAGCCGGCGCGTGTAGCCGGAGGA 240
Db 213 AGCCAGTTCATCAAGAAGGGCGCCCTGTCATCCAGCCGGCGAGAGGGCACGGCAAGAGTAGCC 272
Qy 241 GATGGCGGAGCTGACATCTGGCCAGGCTCTGCTGAGGAGATGGCCAGAGGATTCAGAAGA 300
Db 273 GATCCGGCGGAGGTAACATCTGGCGAGATCGGCACCCAACTCATCACCTGCA 332
Qy 301 CGAGCTATGAGAACGGACCAGGAAGTGGCACATTCTGAGGTGTCTGGAGGAGA 360
Db 333 CGACATCTTGAGAACAGAGGAGCTGTCCTCATCTGGAGGTGTCTGGAGGAGTCGTCCTGGAGGA 392
Qy 361 GCTCTTGATGATTCTGCGCCAGAACGGACTCTGAGTGGAGGAGCCACAGCTCAT 420
Db 393 GCTCTTGACTCTGCGGAGAAGAGTGGCTGAGGGAGCAGGCCACCGATCT 452
Qy 421 TAACGAGCTGATGCGGTGACTACCTCACAAAGAAATTGTCACATTGATCT 480
Db 453 CAAGCAGATCTGGACGGCGTCACTACCTGACTCTAACGCGCATGCCACCT 512
Qy 481 CAAGCAGAACCTATGTTGAGACAGAATTCACATCCACATCAAGCTGAT 540
Db 513 GAACCGGAAACATCTGCTGAGACAGAAGCTGCCAACCGATCACT 572
Qy 541 TGACTTTGGCTGCTCAGAACATGAGATGGAGTGTGATTAAAGATATTGAGAC 600
Db 573 CGACTCTGGCATCGGCCAGAAGATGAGGGGGAAAGGTTCAAGAACATCTCGGCAC 632
Qy 601 GCCGGAATTGTCCTCGAAATGTCAGTCAGGCCCTGGCTGGAGCTGACT 660
Db 633 CCCGGATGTTGTCAGGAGATGTCAGCTGGCTGGCCAGAC 692
Qy 661 GTGGAGCATAGGCTCATCACCATCTTAAAGGAGCATCCCTTCCTGGAGA 720
Db 693 GTGGAGCATAGGCTCATCACCATCTCTGAGCTGCTGAGCATCCCTTCCTGGAGA 752
Qy 1587 GAACTCTGGCTGAGGAGCAATCTGTCACCTCCAGAACGACCTGAGCTC 1646
Db 1200 GAACTCTGGCTGAGGAGCAATCTGTCACCTCCAGAACGACCTGAGCTC 1259
Qy 1647 AGGGTGACACACCTCAGGCCCTCTGAAAGCAGCCATCTGTCAGGCC 1706
Db 1260 AGGGTGACACACCTCAGACCTCTGAGGAGCAATCTGTCACCTGAGCTC 1741
Qy 1707 TTGCTCATTTAAACTCTGGTTACCTGA 1741
Db 1320 TTGCTCATTTAACTCTGGTTACCTGA 1354

RESULT 11

```

RESULT 12
; Sequence 3, Application US/09186277
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: US/1356/0128
; CURRENT FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (94)..(1455)
; US-09-186-277-3

Query Match      29.6% Score 515.6; DB 4; Length 2132;
Best Local Similarity 76.1%; Pred. No. 7.3e-129; Matches 635; Conservative 0; Mismatches 199; Indels 0; Gaps 0;
Oy   61 CATGGAGCCATTCAAGCAGCAGAGGTTTATGACATCGGAGGAGCTGG 120
Db   93 CATGTCCAGCTTCAGGAGGAGCTGGAGGACATTATGAGATGGGAGGCTGG 152
Oy   121 GAGTGGGCAAGTTGCCATCGTGLAGAAGACTGCCGGAGAGA 180
Db   153 CAGGGGGAGTTTGCAATGGCTGGAGATGGCCAGGGAC 212
Oy   181 AGCCAAGTTCAAGAAGGGAGAGCGGGAGAGCGGGCGGTGTAGCC 240
Db   213 AGCCAAGTTCAAGAAGGGCGGCCATCCAGGGGTGGGGTGAAGGGGGAGA 272
Oy   241 GATGAGGGAGGTGAGCCATCTGCGGGAGGTTCTGCACCACTATGTCATCGCTGGCA 300
Db   273 GATCGAGGGAGGTGAACATCTGCGGGAGATCCGCCCCAACATCATCACCTGCA 332
Oy   301 CGACGTTATGAGACCCACGCTGGTGCACATCTGTGACTGTCTGGAGAGA 360
Db   333 CGACATCTGAGAACAGACGAGCTGGTCTGCTCATCCGGAGGCTGG 392
Oy   361 GCTCTTCGATTCCTGGCCAGAGGAGTCACTGAGTAGGGAGGAGCACCAGCTTA 420
Db   393 GCTCTTGACTCTGGGGAGAGTCTGGAGACATCCCTGAGCTGGAGAGA 452
Oy   421 TAAGCAGAGCTCTGGTGAATCTTACACAGAAATTGCTCACTTGTAC 480
Db   453 CAAGCAGATCTGGACGGGTTCACTACCTGACATCTAGCGATCGCACATGACCT 512
Oy   481 CAAGCCAGAACATTGTTGAGACAGAATTCACACATCAAGCTGAT 540
Db   513 GAAGCCGGAAACATCATGCTGAGAACAGTGTGCCAACCCACGATCAGCT 572
Oy   541 TGAATTGGCTGGCTCAAGAAATAGAAGATGGAGTTGATTAGAATTTGGAC 600

RESULT 13
; Sequence 4, Application US/09159385
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10)..(1353)
; US-09-159-385-4

Query Match      29.5% Score 513.8; DB 2; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128; Matches 632; Conservative 0; Mismatches 197; Indels 0; Gaps 0;
Oy   61 CATGGAGCCATTCAAGCAGCAGAGGTTTATGACATCGGAGGAGCTGG 120
Db   9 CATGTCCACATTAGCAGAGGAGTGTGAGGACATTATGAGATGGAGAGGAGCTGG 68
Oy   121 GATGGCCAGTTCCATCTGGAGAGACTGCCGGAGAGCAGGGCTTGGATGC 180
Db   69 CAGTGCCATTTCGATCTGTGCGCCAGTGGCTGAGGGACGGCATGGATATGC 128
Oy   181 AGCCAAGTTCAAGAAGGGAGAGCGGGAGAGCGGGCGGTGAGCCGGAGA 240
Db   129 AGCCAAGTTCAAGAAGGGCCCTGCACATCCAGGGCGGGTGGAGCCGGAGA 188
Oy   241 GATGGAGGGAGGTGAGCCATCTGCGGGAGGTTCTGACCATCGGAGGAGCTGGCA 300
Db   189 GATCGACCGGGAGGTGAGCTCTGGCGAGATGCCAACATATACTGCA 248
Oy   301 CGACGTTATGAGACCCACGCTGGTGCACATCTGTGACTGTCTGGAGAGA 360
Db   249 TGAATGTTGAGAACAGACAGATGTGGTGTCTGATCTCTGGAGCTGGTGTGCGGGCA 308
Oy   361 GCTCTTCGATTCCTGGCCAGAGGAGTCACTGAGTAGGGAGGAGCACCAGCTTA 420

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Db 309 GCTTTCGACTTCTGGCCGAGAAGGGCATGGACGGGATAGGCCACGAGTTCT 368
Qy 421 TAAGCAGATCTGTGATGGGGTGACTAACCTCACAAAGAAATTGCTCACTTGATC 480
Db 369 CAACAATCTTAGACGGTGTCCACTACCTGACATCCAGCGCATCGCACACTTGACCT 428
Qy 481 CAAAGCAGAAACATATGTTAGACAGAAGATAATCCATTCCACATCAAGCTGAT 540
Db 429 GAAGCCGAGAACATCATGTTGCTGACAGAACGACAGCAGGCCGCAATTAAGCTAT 488
Qy 541 TGACTTGGCTGCTCAGAAATAGAGAGATGGGTGAATTAGAAATTGAGGAC 600
Db 489 CGACCTTGGAATGCGACAGAGATGGAGGTGGCAGGACTCAGAACATCTTGGAC 548
Qy 601 GCGCGATTGTTGCTCAGAAATAGTGACTACATAGCAGCCCTGCTGAGGTGACAT 660
Db 549 ACCCGAGTTGTCGCCCGAGATGTGAACTAGACGCACTTGCTGGAGGTGACAT 608
Db 661 GTGGAGCATAGGCATCACCTACATCCCTTAAGTGGCATCCCTTCCCTGGAGA 720
Db 609 GTGAGCATTTGGCTCATACCTCATCCCTTAAGCAGGGCTCCATTCTGGCGCA 668
Qy 721 CACGAGCAGAAACTGGAAATACAGATCAGTGTGAGTTGAGGAATT 780
Db 669 GACCAAGCAGAGAGCTGAGAACATCTGAGCTGACTATGACTTGATGAGGAATA 728
Qy 781 CTTCAGCCATAGGAGCTGGCCAGGACTTTATTCGAAAGCTCTGTTAAAGAGAC 840
Db 729 CTTACGAGACCAGGAGCTGGCCAGGACTTCATCCGAGGTGCTGGTCAAGACCC 788
Qy 841 CCGGAAACGCTCAATCCAGAGGCTCTCAGAACCCCTGGTCACG 889
Db 789 CAAGGAGGATGACATCGCACAGCAGCTGGAGCATTCCTGGATCAG 837

RESULT 14
US-09-186-277-4
; Sequence 4, Application US/09186277
; Patent No. 6111841
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAWAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; CURRENT APPLICATION NUMBER: US/09/186, 277
; CURRENT FILING DATE: 1998-11-05
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: MUS MUSCULUS
; FEATURE: CDS
; LOCATION: (10)..(1353)
; US-09-186-277-4

Query Match 29.5%; Score 513; DB 4; Length 1429;
Best Local Similarity 76.2%; Pred. No. 1.9e-128; Indels 0; Gaps 0;
Matches 632; Conservative 197; Mismatches 0; Insertions 0;

Qy 61 CATGGAGCCATTCAAGCAGGAGAGGTGGAGGACTTTATGACATCGGAGAGGAGCTGG 120
Db 9 CATTGTCACATTCTGGCAAGGAGATGTGAGACATTATGAGATGGAGAGGGCTGG 68
Qy 121 GAGTGGCCAGTTGCTCATCTGAGAAGCTGGCCAGGAGGAGCTGGAT 180
Db 69 CAGTGGCCAAATTGCGCATCTGCGCAAGTGGCCAGAAGGCACGGCATGGATATGC 128
Qy 181 AGCAAGTCACTAGAAAGGGCAGGCCGGGAGGCCGGGGTGTGAGGCCGGAGA 240

Db 129 AGCCAAGTTCATCAGAAGGGGCTCTGCCATCAGCCGGGGGTGAGGCCGGAGGA 188
Qy 241 GATGAGGGAGATGACATCTGCGCAGGGCTGACTCACAAATGTCATCAGCTCA 300
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Qy 361 GCTTTCGATTCTGGCCAGAGGAGTCAGTGTGAGGAGGGCCACAGCTCAT 420
Db 309 GCTTTCGACTTCTGGCCGAGAAGGGCATGGACGGGATAGGCCACGAGTTCT 368
Qy 421 TAAGCAGATCTGTGATGGGGTGACTAACCTCACAAAGAAATTGCTCACTTGATC 480
Db 369 CAACAATCTTAGACGGTGTCCACTACCTGACATCCAGCGCATCGCACACTTGACCT 428
Qy 481 CAAAGCAGAAACATATGTTAGACAGAAGATAATCCATTCCACATCAAGCTGAT 540
Db 429 GAAGCCGAGAACATCATGTTGCTGACAGAACGACAGCAGGCCGCAATTAAGCTAT 488
Db 369 CAACAATCTTAGACGGTGTCCACTACCTGACATCCAGCGCATCGCACACTTGACCT 428
Qy 481 CAAGCAGAAACATATGTTAGACAGAAGATAATCCATTCCACATCAAGCTGAT 540
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Qy 781 CTTCAGCCATAGGAGCTGGCCAGGACTTTATTCGAAAGCTCTGTTAAAGAGAC 840
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Qy 841 CCGGAAACGCTCAATCCAGAGGAGCTCTCAGAACCCCTGGTCAAGACCC 889
Db 789 CAAGGAGGATGACATCGCACAGCAGCTGGAGCATTCCTGGATCAG 837

RESULT 15
US-08-631-097-3
; Sequence 3, Application US/08631097
; Patent No. 5968916
; GENERAL INFORMATION:
; APPLICANT: Kimchi, Adi
; TITLE OF INVENTION: Tumor Suppressor Genes, Number of Sequences: 7
; TITLE OF INVENTION: Protein Enclosed Thereby, and Use of Said Genes and Protein
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wigman, Cohen, Leitner, & Myers, P.C.
; STREET: 900 17th Street, N.W., Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006
; COMPUTER READABLE FORM:
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/631, 097
; FILING DATE: 12-Apr-96
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

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APPLICATION NUMBER: PCT/US94/11598
 FILING DATE: 12-Oct-94
 ATTORNEY/AGENT INFORMATION:
 NAME: Cohen, Herbert
 REGISTRATION NUMBER: 25,109
 REFERENCE/DOCKET NUMBER: 0744 057
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202)463-7700
 TELEFAX: (202)473-6915
 INFORMATION FOR SEQ ID NO: 3:
 LENGTH: 4935 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA
 HYPOTHETICAL: No
 ANTI-SENSE: No
 FRAGMENT TYPE: NO. 596816 applicable
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 STRAIN: not applicable
 INDIVIDUAL ISOLATE: not applicable
 DEVELOPMENTAL STAGE: not applicable
 HAPLOTYPE: not applicable
 TISSUE TYPE: blood
 CELL TYPE: Leucocyte
 CELL LINE: HeLa
 ORGANELLE: not applicable
 IMMEDIATE SOURCE:
 LIBRARY: not applicable
 CLONE: not applicable
 POSITION IN GENOME:
 CHROMOSOME SEGMENT: not applicable
 MAP POSITION: not applicable
 UNITS: not applicable
 FEATURE:
 NAME/KEY: Seq. ID. NO.: 3 is the sequence in claim 1(iii) as Figure 8 of the specification
 LOCATION: not available
 IDENTIFICATION METHOD: experiment-
 IDENTIFICATION METHOD: in specification-
 OTHER INFORMATION: prevention of IFN-2
 OTHER INFORMATION: promoted cell death
 PUBLICATION INFORMATION: not available
 US-08-631-097-3

Query Match, Best local similarity 67.1%; Score 449; DB 2; Length 4935;
 Matches 664; Conservative 0; Mismatches 301; Indels 24; Gaps 1;

| | | | | | |
|----|-----|--|----|------|---|
| Qy | 59 | AACCTGGAGCCATCAAGAGAGCAGAGGACTTGTGACATCGAGAGGAGCTG | Db | 634 | GAGCTGTTGACTCTTAGCTGAAAGGATCTTAACITGAAGAGGAGCAACTGAATT |
| Qy | 119 | GGGAGTGGCCAGTTGCCATCGTAAAGAAGACTGCTGAGAGGAGGAGGCTTGAGTAT | Qy | 419 | ATTAAGCAGATCCCTGATGGGTCACTACTTCACACAAGAAAATGCTCACTTGTAT |
| Db | 334 | ATCTGAGCTGGTGTAGGCAGAACGTTGAGTAACTACAGACGACCGGACTT | Db | 694 | CTCACACAAATCTTAATGTTTACTACTGCACTCCCTCAATGCCCACTTGTAT |
| Qy | 179 | GCACCCAAGTTCATCAAGAGAGCCGAGAGGAGGCTGAGGAGGAGGAGGAGGAG | Qy | 479 | CTCAAGCCGAAACATTGTTGTTAGACAGAAGATATTCCTCCACACATAAGCTG |
| Db | 454 | CCCCCAAATTCACTAACAGAAAGGAGGACTAAGCCAGCGGCTTCACTGAGGAG | Db | 754 | CTTAAGCCAGAACATAATGCTTTGGATAGAAATGTCGCCAACCTCGATCAAGTC |
| Db | 514 | GACATCGAGGGGGTCACTCTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG | Qy | 539 | ATTGACTTGTCTGGCTCAAGAAATAGAGAGATGGAGTGAATTAGAATTTGGG |
| Qy | 299 | CACGAGCTCATGAGAACCCACCGACGAGCTGACATCTGTGAGCTGTCTGGAGA | Db | 814 | ATTCGACTT-----TGGAAATGAATTAAACATATTGGG |
| Db | 574 | CACGAGCTCATGAGAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG | Qy | 599 | ACGGCGGAATTGTTGCTCCAGAAATTTGTTGACTACTGAGCCCCTGGGTTGGAGCTG |
| Qy | 359 | GAGCTCTGATTCTGGCCAGAGGAGTCACTGAGGAGGAGGAGGAGGAGGAGGAG | Db | 850 | ACTCCAGAGTTGTGCTCTGAGATAGTCACATGACACTCTCTGGCTTGAGGAGAT |
| Db | | | Qy | 659 | ATCGGAGGATAGCGTCATCACATCTCTTAACGAGCATCCCTTCTGGGAA |
| Db | | | Db | 910 | ATGTCGAGTATCGGGGATAAACCTATCTCTCTAAAGTGGGCTCCCOATTCTTGA |
| Qy | | | Qy | 719 | GACAGGAGGAGGAACACTGGCAATACTACATCAGTGAATGAGCTTGAGGAGAT |
| Db | | | Db | 970 | GACACTAACAGAAACCTGAGCAATGPTCGCGCTGCACTAGAGATTGGAGGAGA |
| Qy | | | Qy | 779 | TTCCTCAGCCATACGAGCAAGCTGGCAAGACCTTATTCGGAGCTTGTTAAAGAG |
| Db | | | Db | 1030 | TACTCTGAAATACGAGCTCCCTAGCCATAGATTCATAAGAAGACTCTGGTCAGGAT |
| Qy | | | Qy | 839 | ACCGGAAMGGCTCACATCCAGAGGCTCTGAGACACCCTGGATCACGGGGTCAC |
| Db | | | Db | 1090 | CCAAAGAAGGAGGAACTGACAATTCAGATGTTGCGACATCCCTGAGCTAACAG |
| Qy | | | Qy | 899 | AACCGAAAGCCATGGAGCAGGGAGTGTGTCATACTGGAGACTTCAGGAGGAG |
| Db | | | Db | 1150 | ACACAACTGAGCACTTAGAGAAAGCATCGAGTAACATGGAGAAATTCAGAAGTT |
| Qy | | | Qy | 959 | TATGTCGAGGGCGTGGAGCTTCCTTCAGCTCGTCTCCCTGCAACACCTCACC |
| Db | | | Db | 1210 | GCAGCCGGAAAAATGGACAAATCCGTTCTGATATCACTGIGCCAAGATATCC |
| Qy | | | Qy | 1019 | CGCTCGTGTGAGGAAGGGTCACTGTAG 1047 |
| Db | | | Db | 1270 | AGGTCACTCTGTCAGAACATGAG 1298 |

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GenCore version 5.1.3
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On nucleic - nucleic search, using sw model

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 GsPop 10.0 , Gapext 1.0

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Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : published Applications NA:*

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13: /cgpn2_6/ptodata/2/pubpna/usgo_NEW_PUB.seq:*
14: /cgpn2_6/ptodata/2/pubpna/usgo_PUBCOMB.seq:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 445.4 | 25.6 | 480 | 10 US-09-757-982-12 |
| 3 | 203 | 11.7 | 5926 | 10 US-09-969-708-302 |
| 4 | 203 | 11.7 | 5926 | 10 US-09-954-456-522 |
| 5 | 202.8 | 11.7 | 5926 | 10 US-09-880-107-331 |
| 6 | 202.8 | 11.6 | 3192 | 10 US-09-925-300-502 |
| 7 | 187.2 | 10.7 | 1167 | 10 US-09-940-921B-6 |
| 8 | 187.2 | 10.7 | 1197 | 10 US-09-940-921B-8 |
| 9 | 187.2 | 10.7 | 1744 | 10 US-09-940-921B-10 |
| 10 | 165.8 | 9.5 | 1788 | 10 US-09-797-039-9 |
| 11 | 165.8 | 9.5 | 2046 | 10 US-09-797-039-7 |
| 12 | 154.8 | 8.8 | 513 | 10 US-09-864-761-7320 |
| 13 | 149.8 | 8.6 | 153 | 10 US-09-864-761-24050 |
| 14 | 146.2 | 8.4 | 1074 | 9 US-10-024-036B-3 |
| 15 | 146.2 | 8.4 | 1578 | 10 US-10-024-036B-5 |
| 16 | 146.2 | 8.4 | 1772 | 9 US-10-024-036B-1 |
| 17 | 141.8 | 8.1 | 1372 | 10 US-09-817-181-1 |
| 18 | 140.6 | 8.1 | 1383 | 9 US-09-935-164-2 |
| 19 | 140.6 | 8.1 | 1738 | 9 US-09-935-164-4 |

ALIGNMENTS

RESULT 1
 US-09-757-982-10
 ; Sequence 10, Application US/09757982
 ; Patent No. US20030094559A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Acton, Susan
 ; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 ; FILE REFERENCE: MNT-050
 ; CURRENT APPLICATION NUMBER: US/09/757,982
 ; CURRENT FILING DATE: 2001-01-10
 ; PRIORITY APPLICATION NUMBER: 09/163,115
 ; PRIORITY FILING DATE: 1998-09-29
 ; NUMBER OF SEQ ID NOS: 15
 ; NUMBER OF SEQ ID NOS: 15
 ; SEQ ID NO: 10
 ; LENGTH: 1864
 ; SOFTWARE: Patentin Ver. 2.0
 ;
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (275)..(754)

US-09-757-982-10

Query Match 59.8%; Score 1042.2; DB 10; Length 1864;
 Best Local Similarity 99.2%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 1047; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 687 TCCTCTTAAGTGGAGCATCCCTTCCTCGGAGAACCTGCCATA 746

Db 300 TCACTTAACTGGAGCATCCCTTCCTCGGAGAACCTGCCATA 359

QY 747 TCACATCAGTGAGTTACGACTTGTATGGAGATTCTTCAGCCAATCGAGGAGCTGGCA 806

Db 360 TCACAGCAGTGAGTTACGACTTGTATGGAGAACCTGCCATA 419

QY 807 AGGACTTATTCGAGCTCTGGTTAGAGAACCTGCCATA 866

Db 420 AGGACTTATTCGAGCTCTGGTTAGAGAACCTGCCATA 479

QY 867 CTCTCAGACCCCCCTGGATCACCGCGGTGGACACCAGAACCTGGAGCTGGAG 926

Db 480 CTCTCAGACCCCCCTGGATCACCGCGGTGGACACCAGAACCTGGAGCTGGAG 539

QY 927 CTGTTGGTCAACTCTGAGAAGCTCTCGAGAAGGAGTATGTCGCCAGGGGTGAGGTTCTT 986
Db 540 CTGGGTCAACTCTGGAGAACCTCTCGAGAAGGATATGTCGCCAGGGGTGAGGTTCTT 599
QY 987 TCACATCGTCCCTGTCACACCTCACCCCTCGCTGATGATAGAGGTGACCTCGA 1046
Db 600 TCACATCGTCCCTGTCACACCTCACCCCTCGCTGATGATAGAGGTGACCTCGA 659
QY 1047 GGCGCGATGAGGAAGCTGAGGAAGCTGAGGTGACAGTGAGGAGACATGCCGGAGA 1106
Db 660 GGCGCGATGAGGAAGCTGAGGAGCTGAGGAGCTGAGGAGACATGCCGGAGA 719
QY 1107 AAGCCTCCACCCACGGAGAGGAGGACCTCTAACCTGGCTGACCTGAGGGCGG 1166
Db 720 AAGCCTCCACCCACGGAGAGGAGGACCTCTAACCTGGCTGACCTGAGGGCGG 779
QY 1167 CCAAGGAGGTGGGCCCCACGGGGAGCTCTCTGCGAGCTTGGACCCAGCTCGA 1226
Db 780 CCAAGGAGGTGGGCCCCACGGGGAGCTCTCTGCGAGCTTGGACCCAGCTCGA 839
QY 1227 ACCGCCACCGGGCTCTGAGCCTTGCAGAGATGGCCCAAGGATTCAGAGA 1286
Db 840 ACCGACCCGGGCTCTGAGCCTTGCAGAGATGGCCCAAGGATTCAGAGA 839
QY 1287 GCTTCAGGGAGGAGCCCTGGAGCTGAGCTGCTTGTTGGAGGAGCTCCA 1346
Db 900 GCTTCAGGGAGGAGCCCTGGAGCTGAGCTGCTTGTTGGAGGAGCTCCA 959
QY 1347 GCATTCCAAAGCTTAATCTCCATAAAATGGACTTCTCTCTCCATCTCAGA 1406
Db 960 GCATTCCAAAGCTTAATCTCCATAAAATGGACTTCTCTCTCCATCTCAGA 1019
QY 1407 GTCTGGGGGGAGATGGACTTGGAGAAGAACATAAAGGACATCCATCACACGG 1466
Db 1020 GTCTGGGGGGAGATGGACTTGGAGAAGAACATAAAGGACATCCATCACACGG 1079
QY 1467 GTGAGGTAGACTTAACTCTGGTTACTCGA 1526
Db 1080 GTGAGGTAGACTTAACTCTGGTTACTCGA 1139
QY 1527 CAAATTACACCAAGAGACAGAGCTCTCCCATTGGACACAGCTGGATGAGGAAGT 1586
Db 1140 CAAAATTACACCAAGAGACAGAGCTCTCCCATTGGACACAGCTGGATGAGGAAGT 1199
QY 1587 GAACCTGGGTGAGGACCAACTCTGACCTCCAGAACCTGGAGGAGCTG 1646
Db 1200 GAACCTGGGTGAGGACCAACTCTGACCTCCAGAACCTGGAGGAGCTG 1259
QY 1647 AGGTGACCAACACTCAGACCTCTGACAGACCCATCTGGCCCATGTTAAT 1706
Db 1260 AGGTGACCAACACTCAGACCTCTGACAGACCCATCTGGCCCATGTTAAT 1319
QY 1707 TTGCTCAATTAAACTCTGGTTACTCGA 1741
Db 1320 TTGCTCAATTAAACTCTGGTTACTCGA 1354

RESULT 2
US-09-757-982-12
; Sequence 12, Application US/09757982
; GENERAL INFORMATION:
; APPLICANT: Action, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/969,708
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn Version 3.0
; SEQ ID NO 12

RESULT 3
US-09-969-708-302
; Sequence 302, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signat
; FILE REFERENCE: 689390-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-969-708-302
; Query Match 11.7%; Score 203; DB 10; Length 5926;
; Best Local Similarity 59.1%; Pred. No. 5.9e-53; Matches 388; Conservative 0; Mismatches 260; Indels 9; Gaps 2;

PRIOR APPLICATION NUMBER: US/60/235, 840
 PRIORITY FILING DATE: 2000-09-27
 PRIORITY APPLICATION NUMBER: US/60/235, 863
 PRIORITY FILING DATE: 2000-09-27
 NUMBER OF SEQ ID NOS: 2276
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 522
 LENGTH: 5926
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-954-456-522

| Query | Match | Score | DB | Length |
|-------|---|-------|----|--------|
| Qy | GGAGGATCGGGGAGCTGAGATCTCGGGGGTGTGACACATGTCATCAG | 295 | Db | |
| Qy | GAGAATATCCGGAGGAAATTAGCATCATGAGACCGAACGGCTCACG | 4688 | Db | 4629 |
| Qy | CTGCACGAGCTATGAGAACCGAACGGCTCACACCCTAGTGCTGGA | 355 | Db | 296 |
| Qy | TGTGTTAGCAAGGCCAGAGACATATGTTGAGAACGATATCCATC | 4748 | Db | 4689 |
| Qy | AGCTCATGACTTGGCTGGCCAGAGACATAGGAGGACTGAGCTGAG | 412 | Db | 4749 |
| Qy | GGGAGCTTCTGGCCAGAGGAGCTACACAGAACGGGAGGCCAC | 4808 | Db | 4749 |
| Qy | AGCTCATGACTTGGCTGGCCAGAGACATAGGAGGACTGAGCTGAG | 472 | Db | 4809 |
| Qy | GGGAGCTTCTGGCCAGAGGAGCTACACAGAACGGGAGGCCAC | 4868 | Db | 4809 |
| Qy | TGTGATCTAACGAGAACATATGTTGAGAACGATATCCATC | 532 | Db | 4869 |
| Qy | AGCTGATGACTTGGCTGGCCAGAGACATAGGAGGACTGAGCTGAG | 4922 | Db | 4869 |
| Qy | CTGGACCTAACGGAGGAACTGGAAATATCACATCAGTAGTGTGAG | 592 | Db | 4923 |
| Qy | AGCTCATGACTTGGCTGGCCAGAGACATAGGAGGACTGAGCTGAG | 4982 | Db | 4923 |
| Qy | TGTGATCTAACGAGAACATATGTTGAGAACGATATCCATC | 5102 | Db | 5043 |
| Qy | CTGGGACCCAGAGGAAACACTGGAAATATCACATCAGTAGTGTGAG | 652 | Db | 5043 |
| Qy | ATGGAGAACATAAACAAACCTGGCAACGTACTCCAGCCATTGCA | 5042 | Db | 4983 |
| Qy | CTGGGACCCAGAGGAAACACTGGAAATATCACATCAGTAGTGTGAG | 5162 | Db | 5103 |
| Qy | AGCTCATGACTTGGCTGGCCAGAGACATAGGAGGACTGAGCTGAG | 712 | Db | 5163 |
| Qy | TGTGATCTAACGAGAACATATGTTGAGAACGATATCCATC | 5102 | Db | 5163 |
| Qy | AGGAAATTCTCAGCCATACGGAGCTGGCCAGGAACTTATGGAGCT | 832 | Db | 5163 |
| Qy | AAAGAGACCCGAAACGCGTCACATCCAGAGGCTCTAGACACCCCTG | 889 | Db | 5163 |
| Qy | AAAGATATGAAAACCGCTGACTGCAAGCAGTGCAGCATCCATGGCTA | 5279 | Db | 5223 |

RESULT 4

US-09-954-456-522

Sequence 522, Application US/09954456

PATENT NO: US200211057A1

GENERAL INFORMATION:

APPLICANT: Young, Paul

TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Candi

FILE REFERENCE: 68920-0-76

CURRENT APPLICATION NUMBER: US/09/ 954, 456

CURRENT FILING DATE: 2001-09-18

PRIOR APPLICATION NUMBER: US/60/235, 617

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: US/60/234, 052

PRIOR FILING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US/60/234, 923

PRIOR FILING DATE: 2000-03-25

PRIOR APPLICATION NUMBER: US/60/235, 134

PRIOR FILING DATE: 2000-03-25

PRIOR APPLICATION NUMBER: US/60/235, 637

PRIOR FILING DATE: 2000-03-26

PRIOR APPLICATION NUMBER: US/60/235, 638

PRIOR FILING DATE: 2000-03-26

PRIOR APPLICATION NUMBER: US/60/235, 711

PRIOR FILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: US/60/235, 720

PRIOR FILING DATE: 2000-03-27

RESULT 5

US-09-880-107-3371

Sequence 3371, Application US/09880107

PATENT NO: US2002142981A1

GENERAL INFORMATION:

APPLICANT: Vockley, Joseph G.

APPLICANT: Scherf, Uwe

APPLICANT: Gene Logic, Inc.

TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer

FILE REFERENCE: 4421-5028-WO

CURRENT APPLICATION NUMBER: US/09/880, 107

CURRENT FILING DATE: 2001-06-14
; PRIORITY APPLICATION NUMBER: US 60/211,379
; PRIORITY FILING DATE: 2000-06-14
; PRIORITY APPLICATION NUMBER: US 60/237,054
; PRIORITY FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3350
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3371
; LENGTH: 5926
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U48959
; US-09-880-107-3371

Query Match 11.7%; Score 203; DB 10; Length 5926;
; Best Local Similarity 59.1%; Pred. No. 5.9e-53; Mismatches 200; Indels 9; Gaps 2;
; Matches 388; Conservative 0; Location: (3085)

QY 236 GACGAGATCGAGGGGGTGAACATCTGCGCAGGTGTCACCAATGTCATCAGC 295
; Db 4629 GAGAAATATCCGCCAGGAGATAGCATGAACTGCCTCCACCCATACTGGTCAG 4688

QY 296 CTGCACAGCTGTATGAGAACGCCACCGACGGCTGTTGAGATGTTGTCAGA 355
; Db 4689 TCTGTGGATGCCTTGAGAACACATGGTCATGGTCATGGAGATGTTGTCAGA 4748

QY 356 GGAGAGCTCTGGATTCTGCCAGAAGGAAACATGGTCATGGTCATGGAGATGTTGTCAGA 412
; Db 4749 GGGAGGTGTTGAGCCATCTGAGGAGGCTTGAGCTGAGCGAGCTGATC 4808

QY 413 AGCTTCATTAAGCAGACCTGATGGTAACTCTCACACAAAGAAATTGTCAC 472
; Db 4809 AAGTACATGCGCGAGATCTCGCGAGGAGTGGAGTACATCCACAGSCATCTGAC 4888

QY 473 TTGATCTAACCGAGAACATATGTTGAGAGATATCCATCCACACATC 532
; Db 4869 CTGACACTCAAGCCGAGAACATCATGTCACAAAGGGGACCA-----GGATC 4922

QY 533 AACCTGATGACTTGTCTCGCTCAAGAAATAGAGATGGAGTTGAATTAAAGATATT 592
; Db 4923 AACCTCATGACTTGTCTGCGAGGAGATGGGGTCTCTGAAGSTCTC 4982

QY 593 TTGGGACGCCGAATTGTGCTCCAGAAATTGTGACTAACGGCCCTGGGCTGGAG 652
; Db 4983 TTGGCACCCAGAATTGTGCTCTGAAGTGTACATGAGCCATGGCTACGCC 5042

QY 653 GCTGACATGTTGAGCATAGSGTCCTCACCTACTCTCTTAAGTAGGAGATCCCTTC 712
; Db 5043 ACAGACATGTTGACATCGGGTCATGTCATACATCAGTCAGGGCTTC 5102

QY 713 CTGGGAGACAGGAGAACACTGGCAATAATCACATGAGTGTAGAGTTGTGAT 772
; Db 5103 ATGGGAGACAGCATACGAACACTTGGCAACGGTACCTGAGCTGGACCTTCGAC 5162

QY 773 GAGGAATTCTCGACATAGGAGCACTGGCAATACTGGCTTCTGGTT 832
; Db 5163 GACGAGGCTGAGATCTCGACAGATGCCAGGATTCTAGCATCTGTGAG 5222

QY 833 AAAGAGACCCGAAACGGCTCACCATCCAGAGGCTCTAGACACCCCTGGACAC 889
; Db 5223 AAAGATATGAAAACGCCCTGGACTGCAACGAGTCAGCATCCATGGCTATG 5279

RESULT 6
; Sequence 502, Application US/0925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101

CURRENT FILING DATE: 2001-08-10
; PRIORITY APPLICATION NUMBER: PCT/US00/05988
; PRIORITY FILING DATE: 2000-03-08
; PRIORITY APPLICATION NUMBER: 60/124,270
; PRIORITY FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 502
; LENGTH: 3192
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (3085)

OTHER INFORMATION: n equals a,t,g, or c
; US-09-925-300-502

Query Match 11.6%; Score 202.8; DB 10; Length 3192;
; Best Local Similarity 59.3%; Pred. No. 4.7e-53; Mismatches 253; Indels 9; Gaps 2;
; Matches 383; Conservative 1; Location: (3085)

QY 236 GAGGAGATGGCGGAGGGTACATCCGGCAGGGCTGACCACAAATGTCATCAGC 295
; Db 1875 GAGAAATATCCGCCAGGAGATAGCATGAACTGCCTCCACCCATACTGGTCAG 1934

QY 296 CTGACACGCTCTGAGAACGGCACCAGGAGCTGGCTGACATCTTGAGCTGAGTGTCTGA 355
; Db 1935 TTGTTGGATGCTTGTGAGAACAAAGGGCAACATCTGTCATGGTCATGGTCTGGAGATGTTGTCAGA 1994

QY 356 GGAGAGCTCTGGATTCTGCCAGAAGGAGTCAC-----GGATC 412
; Db 1995 GGSGAGCTTGTGAGGAGATAGCATGTCATGGCTGCCCTACCCATAAGCTGGTCAG 2054

QY 413 AGCTCATTAAGCAGATCTGGAGGCTGGAGACTACCTCTACACAAAGAAATTGTCAC 472
; Db 2055 AAGTACATGGCAATTCTGGAGGAGTGGAGTACATCCACACAGGGCACCTGGTCAC 2114

QY 473 TTGATCTAACCGAGAACATATGTTGAGAGATATCCATCCACACATC 532
; Db 2115 CTGACACTCAAGGGAGAACATCATGTTGTCACAGACGGCACCA-----GGATC 2168

QY 533 AACGTGATGACTTGTCTGGCTCAGAAATTGTGACTAACGGCCCTGGGCTGGAG 652
; Db 2169 AACCTCATGACTTGTGCTCTGGCTCCAGGGCTGGAGACGGGGCTCTGAGGTCTC 2228

QY 593 TTGGGAGCCGGATTGTGCTCCAGAAATTGTGACTAACGGCCCTGGGCTGGAG 652
; Db 2229 TTGGCACCCAGAATTGTGCTGGCTCAGAAATTGTGACTAACGGCCATGGCTACGCC 2288

QY 653 GCTGACATGTTGAGCATAGGGTCATCACCTACATCCTCTTGTGACTAACGGCCCTGGGCTGGAG 772
; Db 2289 ACAGACATGTTGAGCATGGGTCATCTGTCACATCTGTGACTAACGGCCCTGGGCTGGAG 712

QY 713 CTGGGAGACAGGAGAACACTGGCAATACTGGCTTCTGGTT 832
; Db 2349 ATGGGAGACAGCATACGAACCTTGGCAACGTTACTCTGGCCACCTGGGACTTGTGAC 2408

QY 773 GAGGAATTCTGAGCATACGGAGGCTGGCAAGGACTTATGGAGGCTTCAGACAC 832
; Db 2409 GAGGAGCTGAGATCTGGACTGCAACGAGTCAGCACTGGCTGGAGCTGGTT 878

QY 833 AAAGAGACCCGAAACGGCTCACATCCAGAGGCTCTAGCAACAC 878
; Db 2469 AAAGATATGAAAACGCCCTGGACTGCAACGAGTCAGCACTGGCTGGAG 2514

RESULT 7
; Sequence 6, Application US/0925300
; Patent No. US20020147320A1
; GENERAL INFORMATION:
; APPLICANT: Friddie, Carl Johan

RESULT 9
US-09-940-921B-10
Sequence 10, Application US/09940921B
Patent No. US20020147320A1
GENERAL INFORMATION:
APPLICANT: Fridalle, Carl Johan
APPLICANT: Hilbun, Erin
APPLICANT: Nepomichy, Boris
TITLE OF INVENTION: No. US20020147320A1; Human Kinase Proteins and Polynucleotides
FILE REFERENCE: LEK 0227-USA
CURRENT APPLICATION NUMBER: US/09/940, 921B
CURRENT FILING DATE: 2002-05-21
PRIORITY APPLICATION NUMBER: US 60/229, 280
PRIORITY FILING DATE: 2000-08-31
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 1744
TYPE: DNA
ORGANISM: homo sapiens
US-09-940-921B-10

Query Match 10.7%; Score 187.2; DB 10; Length 1744;
Best Local Similarity 55.8%; Pred. No. 2.7e-48;
Matches 435; Conservative 0; Mismatches 318; Indels 27; Gaps 3;

Qy 109 AGAGAGCTGGAGCTGGCACTGTTCCATCGTGAGAAGTGCCTGGAGAGAGACGGG 168
Db 608 AGAACATCTAGAGGGGGCTTCGCCAGGTCTCAAGTGTAGGAGACGGCACAGG 667
Qy 169 GCTTAGTATGAGCCAAAGTCATCAGAACGGCAGAGCCGGCAGCGCCGGT 228
Db 668 TCTGAGCTGCGAGCCAATCTCAAGAC-----CAGAGGATGAA 709
Qy 229 GAGCCGGAGGAGTCAGGGGGAGCATCTGCCGAGGTCTGCACCAATGT 288
Db 710 GGAAAGGAGGAGTGAAGAACGAGATCAGGTCTGACCCAGCGGAACTT 769
Qy 289 CATCAGCTCACAGAGCTATGAGAACCCACCCACGCGTGGACATCTGAGCTAG 348
Db 770 CATTCACTGCTACGATGCTCTGAGCTAAAGAACGACATGTCTCTGTCATGGATGT 829
Qy 349 GTCTGGAGGAGCTTCGA---TTCTCGGCCAGAGGACTCTGAGTGGGAGGA 405
Db 830 GGATGCTGGGGAGCTGTTGACCGCATCATCGTGTGAGCTACATTGACGGGCTGA 889
Qy 406 GCCCACCAGCTCATTAAGAGATCTGGATGGGGTAAGCCTCACAAAGAAAT 465
Db 890 TACCATCTGTCATGAGAGATGTGAGGGATAAGCCACATGCTCATGATGTAC 949
Qy 466 TGCTCACTTGATCTCAAGCAGAAACATATGTGTAGACAGAAATTCCATCC 525
Db 950 TCTCCACTTGACCTGAGCTGAGATACTCTGGTGAATGGGGTCTAGA----- 1004
Qy 526 ACACATCAAGCTGATGACTTGTGCTGCTCAGAAATAGAGATGGGGTGAATTA 585
Db 1005 -CAATAAAATATATGATTTGATGTTGCTGGCCAGAGATAACAACCCAGAGAGCTGA 1063
Qy 586 GAATTTTGGCCCCGGATTTGTGCTCAGAAATGTGAGACTACGAGCCCTGG 645
Db 1064 GGTGACTTTGGAACCCAGAAATCTCCCTGGAGACTATGACTATGATTGTTTC 1123
Qy 646 TCTGGAGGCTGACATGTGGAGCATAGGGCATAGGGTACATCACCTCTAAGTGGAGCATC 705

RESULT 10
US-09-797-039-9
Sequence 9, Application US/09797039
Patent No. US20020142099A1
GENERAL INFORMATION:
APPLICANT: Olandt, Peter J.
TITLE OF INVENTION: KINASE FAMILY MEMBERS AND USES THEREFOR
FILE REFERENCE: 1048-017001
CURRENT APPLICATION NUMBER: US/09/797, 039
PRIORITY APPLICATION NUMBER: US 60/186, 061
PRIORITY FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1788
TYPE: DNA
ORGANISM: Homo sapiens
US-09-797-039-9

Query Match 9.5%; Score 165.8; DB 10; Length 1788;
Best Local Similarity 54.0%; Pred. No. 1.6e-41;
Matches 422; Conservative 0; Mismatches 332; Indels 27; Gaps 3;

Qy 110 GAGGAGCTGGGGAGTGTGGCCATCTGTAAGAAGAGTGTGGGGAGAAGACCGGG 169
Db 865 GAGGCGCTGGAGGTGGAGTTGGCCATCTGTAACCTGATGGAAAGCCAGGG 924
Qy 170 CTGAGATGTCAGCCAAAGTCATCAGAACAGACTCCAAAGACMA----- 971
Db 925 CTAACTGTCGCAACCAAAGTCATCAGAACAGACTCCAAAGACMA----- 971
Qy 230 AGCGGGAGGAGTCAGGGGGTGTGAGCTCTGGCGGGTGTGACCAAAATGTC 289
Db 972 -----GAAATGGTGTCTGGAGATGAGCTGACCAACGAGCTGCAAACTG 1026
Qy 290 ATCACGCTGCCAACAAAGTCATCAGAACAGACTCCAAAGACMA----- 971
Db 1027 ATCCAGCTGCTGAGCATGAGACTCCGATGAGTCGCTGTCTGATGAGTACATC 1086
Qy 350 TCTGGAGGAGGACTCTTGA---TTCTGGCCAGAGGGTCACTGAGTGGGG 406
Db 1087 GAGGGGGAGGAGCTCTGAGAGGATTGTGGATGAGCTACATCTGACGGGG 1146
Qy 407 GCACCAAGCTCATTAAGAACATCCCTGATGGGGTGAACCTCTCACAAAGAAAT 466
Db 1147 ACCATGGTGTGTCAGCAATCTGACGGGATCTCTCATGACAAATGAGGTT 1206
Qy 467 GTCACATTGATCTCAAGCAGAAACATITGTGTAGACAGATAATTCCATCCA 526
Db 1207 TGCACCTGAGACTCAAGCAGAGACATCTGTCAGTCACACCA-----CCGGCAT 1260
Qy 527 CACATCAAGCTGATGACTTGTGCTGCTACGAAATAGAGATGGGGTGAATTA 586
Db 1261 TGGTGAAGAGATGACTTGTGCTGCGACGGAGTATAACCCACGAGAGCTGAAG 1320

Qy 587 AATTTTTRGGAGGCCSBRATTGTTGTCAGAACATTGTGACTAGGAGCCCTGGT 646
Db 1321 GTGAACTTGGACCCAGTGTCTGTCACCTAGGTGGTGAATTGACCAATCTCC 1380
Qy 647 CTGGAGGCATGTGGAGCATGGCCTCATCCTAATGTTGGCATCC 706
Db 1381 GATTAAGACAGATGGTATGGGTGATCCTCTACATGGCTCTAAGTGGCATCC 1440
Qy 707 CCTTCCTGGAGCACGAGCACGAGAACACTGGCAATTATCACATCACTGAGTACGCG 766
Db 1441 CCCTTCCTGGAGATGATGACACAGACCTAACAGGTCTATCTGGCACTGGTAC 1500
Qy 767 TTGATGAGAACGAGCTTGGGGTATGAGGCGTATGAGCCAGGCAAGAGCTTC 826
Db 1501 TTGATGAGAACGAGCTTGGGGTATGAGGCGTATGAGCCAGGCAAGAGCTTC 1560
Qy 827 CTGGTAAGAGACCCGAAACGCGTCAATCCAAAGGGCTCTAGACACCCCTGGATC 886
Db 1561 ATCTCAAGGAGCACAGACCTAACAGGTCTATCTGGCACTGGTAC 1620
Qy 887 A 887
Db 1621 A 1621

RESULT 11
US-09-797-039-7
; Sequence 7, Application US/09797039
; Patent No. US20020042099A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: KINASE FAMILY MEMBERS AND USES THEREFOR
; FILE REFERENCE: 10448-01701
; CURRENT APPLICATION NUMBER: US/09-797, 039
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186, 061
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2046
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: misc_feature
; LOCATION: (1)...(1906)
; OTHER INFORMATION: n = A,T,C or G

Qy 350 TCTGGAGGAGCTCTGA---TTCTGGCCAGAGGTCACGTGAGGAGGAG 406
Db 1205 GAGGGGGAGAGCTCTGGAGGATGTTGAGGAGGACTACATCTGAGGTGAC 1264
Qy 407 GCCACAGGCTCAATTAGGATCTGGATGGGTGACTACCTCACACAGAAATT 466
Db 1265 ACCGGGTTGTCAGGAGACTCTGAGGGATCCCTCTCATGAGAAATGAGGTT 1324
Qy 467 GCTCACTTGTGATCTCAAGCGAGAACATTTGTTGTTAGCAGAAATATTCCATTC 526
Db 1325 TTGACCTGGACCTOAAGCAGAAACATCTCTGGTGTCACACCA----CGGGCAT 1378
Qy 527 CACITCAGCTGATGACTTGTCTGCTCAGAATAGAGATGGAGTGAATTAG 586
Db 1379 TTGGTAAGATCATTTGACTTGGCTGGCAAGGTTATACCCAAAGGAGCTGAG 1438
Qy 587 AATATTGAGGAGCCGAGATTTGTTGCTCCAGAAATTGTAAGTAGGAGCCCTGGT 646
Db 1439 GTGACTTTGGAGCCGAGTTGTTGCTGAGGTTGAGGTTGAGGATATGAGCAATCTCC 1498
Qy 647 CTGAGCTTGGAGACATGTTGAGGAGCATGGCTCATCACCTCATCCTTAAGTGGAGATC 706
Db 1499 GATAAGACAGACATGGAGGATGGGGGATCACATCATGCTGAGGGCCTCTCC 1558
Qy 707 CCTTCCTGGAGCACAGAGGAAACATGGCAATTATCACATCGTGTAGAC 766
Db 1559 CCCTTCCTGGAGATGATGACACAGAGACCTTAACACGTCATCTGGCAACTGGT 1618
Qy 767 TTGATGAGGATCTCAGCCATACAGGAGCTGGCGAACAGCTTATCGGAAGGT 826
Db 1619 TTGATGAGGAGCTTGTGAGGCGTATGAGGAGGCAAGACTTGTCTCAACCTC 1678
Qy 827 CTGGTAAGAGACCCGAAACCGCTCACATCCAAGGGCTCTAGACACCCCTGGATC 886
Db 1679 ATCTCAAGGACAGAGGAGGGCCGATGAGCTGCCCAGTGTCTGCCATCCCTGGTC 1738
Qy 887 A 887
Db 1739 A 1739

RESULT 12
US-09-864-761-7320
; Sequence 7320, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR FILE REFERENCE: Aeonica-X-1
; CURRENT APPLICATION NUMBER: US/09/864-761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: GB 24263-6
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632, 366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

Qy 110 GAGCAGCTGGAGATGGCAGTGTGCAATGAGAGCTGGCGGAGAGCCACGGG 169
Db 983 GAGCGCTGGAGGGCGAGTGTGCAATGAGAGCTGGCGGAGACGCG 1042
Qy 170 CTGGAGTATCAGCAAGTCATCAAGAAGGGAGAGCGGGGAGGGGGTGTG 229
Db 1043 CTCAGCTGCAAGCTCAAGAAACGCTCCAAAGCAA----- 1089
Qy 230 AGCCGGAGAGATGAGGGAGGATCTGGCAGGCTGACCTACATGTC 289
Db 1090 ---GGAATGGTGTGAGGATGAGGCTGACCTACGGTAC 1144
Qy 290 ATCACGGCTGACGAGCTPATGAGAACCCACCCAGCTGGTCATCTGGCTAGT 349
Db 1145 ATCCAGCTGATGAGCCATCGAGACTCGGATGATGTCCTGTTCACTGGATAC 1204

PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-29
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: US 09/774, 203
 NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Amnonax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 7130
 LENGTH: 513
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AC015914.3
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
 US-09-864-761-7320

Query Match 8.8%; Score 154; DB 10; Length 513;
 Best Local Similarity 94.1%; Pred. No. 3. 9e-18; Indels 0; Gaps 0;
 Matches 160; Conservative 0; Mismatches 10;

QY 687 TCCCTCTTAAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 746
 Db 62 TCAGCTTAAGGGAGCATCCCTTCCTGGAGACGAGAACACTGCCAATA 121
 QY 747 TCACATCAGTCAGTACGACTTTGAGGAGTCAGCCATACGAGCGAGTGCCCA 806
 Db 122 TCAACAGCAGTGAGTAGACITTGATGAGGAGTCAGCCAGACGAGGGAGTGCCCA 181

QY 807 AGGACTTATTCTGGAGCTCTGTTAAAGAACGGAAACGSGTCACA 855
 Db 182 AGGACTTATTCTGGTTAAAGAACGGAAACGSGTCACA 231

RESULT 13
 US-09-864-761-4050
 Sequence 24050, Application US/09864761
 ; Sequence 3, Application US/10024036B
 ; Publication No. US20030028004A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Weisheng
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 FILE REFERENCE: Acomica-X-1
 CURRENT APPLICATION NUMBER: US/09/864 761
 CURRENT FILING DATE: 2001-05-23
 PRIOR APPLICATION NUMBER: US 60/180, 312
 PRIOR FILING DATE: 2000-02-04
 PRIOR APPLICATION NUMBER: US 60/207, 456
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: US 09/632, 366
 PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04
 PRIOR APPLICATION NUMBER: US 60/236, 359
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: US 09/774, 203
 NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Amnonax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 24050
 LENGTH: 153
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AC015914.3
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.8
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.4
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.2
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.6
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.6
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 6.1
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.8
 OTHER INFORMATION: SWISPROT HIT: P53355, EVALUE 5.00e-17
 OTHER INFORMATION: NT HIT: AB018001.1, EVALUE 4.00e-81
 OTHER INFORMATION: EST_HUMAN HIT: AW603538.1, EVALUE 6.00e-81
 US-09-864-761-24050

Query Match 8.6%; Score 149.8; DB 10; Length 153;
 Best Local Similarity 98.7%; Pred. No. 4.1e-37; Indels 0; Gaps 0;
 Matches 151; Conservative 0; Mismatches 2;

QY 691 CTTAAGTGGAGATCCCTTCCTGGAGACGAGAACACTGCCAATA 750
 Db 1 CTTAACTGGAGCATCCCTTCCTGGAGACGAGAACACTGCCAATA 60
 QY 751 ATCGTGACTACGTTGAGGAATTCTAGGATACGAGGAGCTGGCCAGGA 810
 Db 61 AGCAGTGAGTAGACTTGAGGAATTCTAGGAGCTGGCCAGGA 120
 QY 811 CTTTATCGGAGCTCTGGTTAAAGAGACGG 843
 Db 121 CTTTATCGGAGCTCTGGTTAAAGAGACGG 153

RESULT 14
 US-10-024-036B-3
 Sequence 3, Application US/10024036B
 ; Publication No. US20030028004A1
 ; GENERAL INFORMATION:

; APPLICANT: Bandaru Rajasekhar
; TITLE OF INVENTION: 68730 and 69112, Protein Kinase
; FILE REFERENCE: MP1:000-521PIR(M)
; CURRENT APPLICATION NUMBER: US10/024, 036B
; PRIORITY FILING DATE: 2001-12-17
; PRIORITY FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3 ;
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-024-036B-3

Query Match 8.4%; Score 146.2; DB 9; Length 1074;
Best Local Similarity 52.7%; Pred. No. 1.8e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;

Qy 242 ATCCAGCGGAGGTGGACATCCTCGCGCGAGTGGCACCACTATGTCATCACCTGCAC 301
Db 196 ATAGAGAATGAGATAGCCCTCTAGAGAAAGATAGCATGAATAATTGTCGCCCTGAA 255

Qy 302 GACCTCTATGAGAACCGCACCGAGCTGGTGACACTCTCTGAGCTAGTCCTGGAGAG 361
Db 256 GACATTATGAAAGCCAAATCCTGACTCTGACTCTGTCATCAGCTGGTGGCGGGAGAG 315

Qy 362 CTCTTCGATTCCTGGCCAGAGGAGGACTGTGTTGAGGGGGGCCACCGTTCAATT 421
Db 316 CTGTGTTGACCGGAAAGTGGAGAAGGGGTTTATACAGAGAAGGTGCCAGCAC 375

Qy 422 AAGGAGATCCTGGATGGGGTGAACATGACTACCTTCACCAAGAACAAATTGCTCACTTGATCTC 481

Qy 376 CGCCCAAGCTTGGACGCCGTGACTATCTCCACAGATGGCATGTCACAGAGACCTC 435

Qy 482 AASCAGAACAAACATATGTTGAGACAATTTCCATTCCACACATCAAGCTGATT 541
Db 436 AAGCCGAAATA--TCTCTGTACTACAGTCAGATGAGGTCAAATAATGATCAGT 492

Qy 542 GACTTTGGCTGGTCACGAATAGAGATGGAGTTGAATTAAAGAATTTTGGAGC 601
Db 493 GACTTTGGATTTGTCACAAATGGAGGGCAAGAGATGTCACCTGCTGGACT 552

Qy 602 CCGGAATTGTTGTCACGAATATGTTGAACTACCGACCCCTGGCTCTGGAGGTGACAGT 661

Db 553 CCAGCTATGTCGCTCTGAGAACCTTACACCAAAGCCGTGACTC 612

Qy 662 TGGAGCATAGGGCTCATCACCTTAAAGTGGACATCCCCTTCGGAGAC 721
Db 613 TGGCCATCGGAGGTGATTCCTACATCTGCTCGGGCTACCTCTCTTATGATGKA 672

Qy 722 ACGAGAGCAGAACACTGGCAATATCACATCAGTAGTGGAGTTGAGGAATC 781
Db 673 AATGACTCCAGCTCTTGAGCACATCTCAAGCGGAATATGGTTGACTCTCCCTAC 732

Qy 782 TTGAGCCATACGAGCGAGCTGGCGAGAGCTTATTCGAAAGCTCTGCTTAAGAGACC 841
Db 733 TGGGATGACATCTCGACTCTGCAAAAGACTCTCGAACCTGGACCG 792

Qy 842 CGGAACGCGCTCAGAACATCCAGAGGCTCTCGAGAACCCCTGGACAC 888
Db 793 AATAAAAGATACAGCTGTGAGCGACGCTGGGACCCATGGATGCC 839

RESULT 15
US-09-835-788A-6
Sequence 6, Application US/09835788A
Patent No. US20030077458A1
GENERAL INFORMATION:
APPLICANT: Ni et al.
TITLE OF INVENTION: Antibodies

; FILE REFERENCE: PT018P1
; CURRENT APPLICATION NUMBER: US/09/835, 788A
; PRIORITY FILING DATE: 2001-04-17
; PRIORITY FILING DATE: 2000-10-17
; PRIORITY FILING DATE: 1999-10-18
; PRIORITY FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1578
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-835-788A-6

Query Match 8.4%; Score 146.2; DB 10; Length 1578;
Best Local Similarity 52.7%; Pred. No. 2.2e-35;
Matches 341; Conservative 0; Mismatches 303; Indels 3; Gaps 1;

Qy 242 ATCGAGCGGAGGTGGACATCCTCGCGCGAGTGGCACCACTATGTCATCACCTGCAC 301
Db 192 ATAGAGAATGAGATAGCCCTCTAGAGAAAGATAGCATGAATAATTGTCGCCCTGAA 255

Qy 302 GACCTCTATGAGAACCGCACCGAGCTGGTGACACTCTCTGAGCTAGTCCTGGAGAG 361
Db 252 GACATTATGAAAGCCAAATCCTGACTCTGACTCTGTCATCAGCTGGTGGTCTCGGGAGAG 311

Qy 362 CTCTTCGATTCCTGGCCAGAGGAGGACTGTGTTGAGGGGGGCCACCGTTCAATT 421
Db 312 CTGTGTTGACCGGATAGTGGAGAAGGGGTTTATACAGAGAAGGTGCCAGCAC 371

Qy 422 AASCAGAACAAACATATGTTGAGACAATTTCCATTCCACACATCAAGCTGATT 481

Db 372 CGCCCAAGCTTGGACGCCGTGACTATCTCCACAGATGGCATGTCACAGAGACCTC 431

Qy 482 AAGCCAGAACACATATGTTGAGACAATTTCCATTCCACACATCAAGCTGATT 541
Db 432 AAGCCGAAATA--TCTCTGTACTACAGTCAGATGAGGTCAAATAATGATCAGT 488

Qy 542 GACTTTGGCTGGCTCACGAATAGAGATGGAGTTGAATTAAAGAATTTTGGAGC 601
Db 493 GACTTTGGATTTGTCACAAATGGAGGGCAAGAGATGTCACCTGCTGGACT 552

Qy 602 CCGGAATTGTTGTCACGAATATGTTGAACTACCGACCCCTGGCTCTGGAGGTGACAGT 661

Db 553 CCAGCTATGTCGCTCTGAGAACCTTACACCAAAGCCGTGACTC 612

Qy 662 TGGAGCATAGGGCTCATCACCTAAGTGGACATCCCCTTCGGAGAC 721
Db 609 TGGCCATCGGAGGTGATTCCTACATCTGCTCGGGCTACCTCTCTTATGATGAA 668

Qy 722 ACGAGAGCAGAACACTGGCAATATCACATCAGTAGTGGAGTTGAGGAATC 781
Db 669 AATGACTCCAGCTCTTGAGCACATCTCAGCGGGATATGGTTGACTCTCCCTAC 728

Qy 782 TTGAGCCATACGAGCGAGCTGGCGAGAGCTTATTCGAAAGCTCTGCTTAAGAGACC 841
Db 729 TGGGATGACATCTCGACTCTGCAAAAGACTCTCGAACACTTATGGAGGACCTGAGGAACCTGG 788

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Search completed: April 4, 2003, 22:33:58
Job time : 221.917 Secs

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GenCore version 5.1.3
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Om nucleic - nucleic search, using sw model

Run on:

April 4, 2003, 19:22:42 ; Search time 6.058 Seconds

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Total number of hits satisfying chosen parameters: 882724

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Listing first 45 summaries

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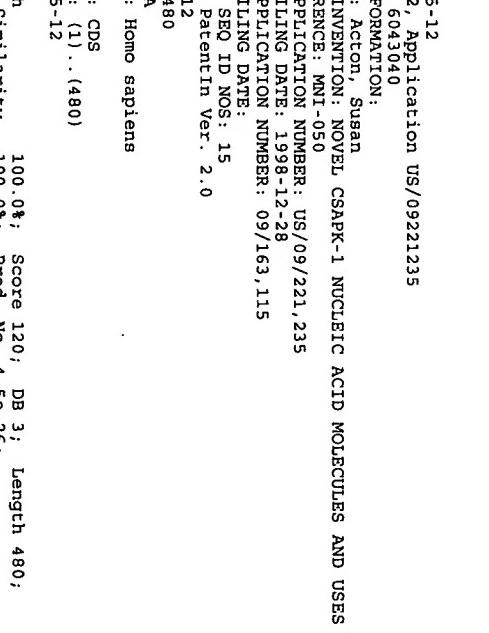
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; GENERAL INFORMATION:
; APPLICANT: ACTON, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNT-050
; CURRENT APPLICATION NUMBER: US/09/221,235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
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; NAME/KEY: CDS
; LOCATION: (1)..(480)
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; APPLICANT: Acton, Susan
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; FILE REFERENCE: MNI-050
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; FILE REFERENCE: MNI-050
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QY 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 480

RESULT 7
US-09-163-115-12
; Sequence 12, Application US/09163115A
; Patent No. 6183962
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/163,115A
; CURRENT FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; LOCATION: (1)..(480)
; US-09-163-115-12

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Best Local Similarity 100.0%; Pred. No. 4,5e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCGTGTGATGAAAGAAGGTGACCTGGCCGGATAGGGACTGTGAGAGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCGGATAGGGACTGTGAGAGTGAC 420
QY 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 480

RESULT 9
US-09-593-553-12
; Sequence 12, Application US/09593553
; Patent No. 6200770
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; PRIORITY APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; LOCATION: (1)..(480)
; US-09-593-553-12

Query Match 100.0%; Score 120; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 4,5e-26; Mismatches 0; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCGTGTGATGAAAGAAGGTGACCTGGCCGGATAGGGACTGTGAGAGTGAC 60
Db 361 TCGCTGATGAAAGAAGGTGACCTGGCCGGATAGGGACTGTGAGAGTGAC 420
QY 61 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 120
Db 421 ACTGAGGAGACATGCCAGGAGGAAGCCTCCACCCAGGGAGGAGCACCTCC 480

RESULT 8
US-09-221-528-12
; Sequence 12, Application US/09221528
; Patent No. 6190874
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,528
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)
; - LOCATION: (1)..(480)

US-09-221-237-12
; Sequence 12, Application US/09221237
; Patent No. 6214597
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,237
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (1)..(480)
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; LOCATION: (1)..(480)
; US-09-221-237-12

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FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)
US-09-221-235-10

RESULT 11
US-09-221-235-10
; Sequence 10, Application US/09221235
; Patent No. 60943040
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,235
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (275)..(754)
US-09-221-235-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)

US-09-221-928-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,235
CURRENT FILING DATE: 1998-12-28
EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE:
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)

US-09-221-236-10

Query Match Similarity 100.0%; Score 120; DB 3; Length 1864;
Best Local Similarity 100.0%; Pred. No. 5.8e-26; Indels 0; Gaps 0;
Matches 120; Conservative 0; Mismatches 0; ;
FILE REFERENCE: MNI-050
CURRENT APPLICATION NUMBER: US/09/221,236
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EARLIER APPLICATION NUMBER: 09/163,115
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)

RESULT 12
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; Sequence 10, Application US/09221928
; Patent No. 6121030
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI-050
; CURRENT APPLICATION NUMBER: US/09/221,928
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 1864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (275)..(754)

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 Best Local Similarity 100.0%; Pred. No. 5, Be-26;
 Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 15

US-09-221-416-10

; Sequence 10, Application US/09221416

; Patent No. 6153417

; GENERAL INFORMATION:

; APPLICANT: ACTON, SUBIN

; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR

; FILE REFERENCE: MN1-050

; CURRENT APPLICATION NUMBER: US/09/221,416

; CURRENT FILING DATE: 1998-12-28

; EARLIER APPLICATION NUMBER: 09/163,115

; EARLIER FILING DATE: 1998-09-29

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 10

; LENGTH: 1864

; TYPE: DNA

; ORGANISM: HOMO SAPIENS

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: (275)..(754)

; US-09-221-416-10

Query Match 100.0%; Score 120; DB 3; Length 1864;
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 Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 ACTTAGGAGGACATGCCGGAGGAAACCCCTCACCACCGAGGAGGAGCACCTCC 120
Db 695 ACTTAGGAGGACATGCCGGAGGAAACCCCTCACCACCGAGGAGGAGCACCTCC 754

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Job time : 7.058 secs

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On nucleic - nucleic search, using sw model

Run on: April 4, 2003, 20:37:02 ; Search time 13.0827 Seconds

(without alignments) 8045.746 Million cell updates/sec

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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
|------------|-------|--------------------|--------|----------------------|
| 1 | 120 | 100.0 | 480 | 10 US-09-757-982-12 |
| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
| 6 | 29.6 | 24.7 | 22452 | 9 US-09-764-868-1489 |
| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
| 18 | 28.6 | 23.8 | 4559 | 10 US-09-919-172-61 |

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
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| 1 | 120 | 100.0 | 480 | 10 US-09-757-982-12 |
| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
| 6 | 29.6 | 24.7 | 22452 | 9 US-09-764-868-1489 |
| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
| 18 | 28.6 | 23.8 | 4559 | 10 US-09-919-172-61 |

Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
|------------|-------|--------------------|--------|----------------------|
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| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
| 6 | 29.6 | 24.7 | 22452 | 9 US-09-764-868-1489 |
| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
| 18 | 28.6 | 23.8 | 4559 | 10 US-09-919-172-61 |

Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
|------------|-------|--------------------|--------|----------------------|
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| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
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| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
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Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
|------------|-------|--------------------|--------|----------------------|
| 1 | 120 | 100.0 | 480 | 10 US-09-757-982-12 |
| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
| 6 | 29.6 | 24.7 | 22452 | 9 US-09-764-868-1489 |
| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
| 18 | 28.6 | 23.8 | 4559 | 10 US-09-919-172-61 |

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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1: /cg92_6/ptodata/2/pubpna/us07_PUBCOMB.seq:*
2: /cg92_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cg92_6/ptodata/2/pubpna/us06_PUBCOMB.seq:*
4: /cg92_6/ptodata/2/pubpna/us07_NEW_PUB.seq:*
5: /cg92_6/ptodata/2/pubpna/PCRS_PUBCOMB.seq:*
6: /cg92_6/ptodata/2/pubpna/us08_NEW_PUB.seq:*
7: /cg92_6/ptodata/2/pubpna/us08_PUBCOMB.seq:*
8: /cg92_6/ptodata/2/pubpna/us09_NEW_PUB.seq:*
9: /cg92_6/ptodata/2/pubpna/us09_PUBCOMB.seq:*
10: /cg92_6/ptodata/2/pubpna/us10_NEW_PUB.seq:*
11: /cg92_6/ptodata/2/pubpna/us10_PUBCOMB.seq:*
12: /cg92_6/ptodata/2/pubpna/usgo_NEW_PUB.seq:*
13: /cg92_6/ptodata/2/pubpna/usgo_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | DB ID | Description |
|------------|-------|--------------------|--------|----------------------|
| 1 | 120 | 100.0 | 480 | 10 US-09-757-982-12 |
| 2 | 120 | 100.0 | 1864 | 10 US-09-757-982-10 |
| 3 | 30.2 | 2035 | 9 | US-09-863-049A-3 |
| 4 | 30 | 25.0 | 10 | US-09-294-093B-5722 |
| 5 | 29.6 | 24.7 | 2425 | 9 US-09-764-868-1487 |
| 6 | 29.6 | 24.7 | 22452 | 9 US-09-764-868-1489 |
| 7 | 29.2 | 24.3 | 170834 | 10 US-09-835-232-7 |
| 8 | 28.6 | 23.8 | 1541 | 9 US-10-163-866-51 |
| 9 | 28.6 | 23.8 | 1556 | 9 US-09-981-535-64 |
| 10 | 28.6 | 23.8 | 1559 | 9 US-10-163-866-3 |
| 11 | 28.6 | 23.8 | 1593 | 9 US-10-163-866-1 |
| 12 | 28.6 | 23.8 | 1609 | 9 US-10-163-866-5 |
| 13 | 28.6 | 23.8 | 1621 | 9 US-10-163-866-7 |
| 14 | 28.6 | 23.8 | 2793 | 10 US-09-890-3437 |
| 15 | 28.6 | 23.8 | 3773 | 10 US-09-922-302-47 |
| 16 | 28.6 | 23.8 | 3984 | 9 US-09-954-531-51 |
| 17 | 28.6 | 23.8 | 4539 | 9 US-10-163-866-6 |
| 18 | 28.6 | 23.8 | 4559 | 10 US-09-919-172-61 |

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

RESULT 4
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: MNI - 050
; CURRENT APPLICATION NUMBER: US/09/757, 982
; PRIORITY FILING DATE: 2001-01-10
; PRIORITY APPLICATION NUMBER: 09/153, 115
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1864
; TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; ORGANISM: Homo sapiens
; LOCATION: (275) .. (754)
; US-09-757-982-10

Query Match 100 0%; Score 120; DB 10; Length 1864;
Best Local Similarity 100 0%; Pred. No. 3.9e-29;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGCTGATGAGAAGGTGACCTGGGCCGATGAGGCTGAGGACTGTGAGGTGAC 60
Db 635 TCGCTGATGAGAAGGTGACCTGGGCCGATGAGGACTGTGAGGTGAC 634

Qy 61 ACTGAGGAGGACATGCCAGGAGGAAGGCCCTCCACCCACGGAGGAGCAGACCTCC 120
Db 695 ACTGAGGAGGACATGCCAGGAGGAAGGCCCTCCACCCACGGAGGAGCAGACCTCC 754

RESULT 3
US-09-863-049A-3
; Sequence 3, Application US/09863049A
; Publication No. US20030032055A1
; GENERAL INFORMATION:
; APPLICANT: Kenwick, Sue J.
; APPLICANT: Nelson, David L.
; APPLICANT: Aradhyo, Swaroop
; APPLICANT: D'Urso, Michele
; APPLICANT: Woffordin, Hayley
; APPLICANT: Munich, Arnold
; APPLICANT: Smahi, Asmae
; APPLICANT: Israel, Alain
; APPLICANT: Poustra, Annetmarie
; APPLICANT: Lewis, Richard A
; APPLICANT: Levy, Moise
; APPLICANT: Heiss, Nina
; TITLE OF INVENTION: Diagnosis and Treatment of Medical Conditions Associated with Def
; TITLE OF INVENTION: NF-κappa B (NF-κB) Activation
; FILE REFERENCE: HO-P1961US1
; CURRENT APPLICATION NUMBER: US/09/863, 049A
; CURRENT FILING DATE: 2001-05-22
; PRIORITY APPLICATION NUMBER: US 60/206, 223
; PRIORITY FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 2035
; TYPE: DNA
; ORGANISM: Human
; US-09-863-049A-3

Query Match 25.2%; Score 30.2; DB 9; length 2035;
Best Local Similarity 60.2%; Pred. No. 1.1; Matches 50; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

Qy 9 GAGGAAGTGACTGAGGCCGATGAGGACTGAGGACTGTGACATCGAGGA 68
Db 536 GAGGGAGGAGCTCTGGGGAGCTGAGAGATGCCAGCAGATGGCTGA 595

Qy 69 GAGCATGCCAGGAGGAAGGCC 91
Db 596 GGACAAGGCCCTCTGTAAAGGCC 618

RESULT 5
US-09-764-868-1487
; Sequence 1487, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ22
; CURRENT APPLICATION NUMBER: US/09/764, 868
; CURRENT FILING DATE: 2001-01-17
; PRIORITY APPLICATION NUMBER: US 60/206, 223
; PRIORITY FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1487
; LENGTH: 2452
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-868-1487

Query Match 24.7%; Score 29.6; DB 9; Length 22452;
Best Local Similarity 59.5%; Pred. No. 2.1; Matches 50; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 2 CGCTATGAGAAGTGCCTGAGCCGAGTAGGACCTGGAGAAGCTGTGAGGTGACA 61
Db 19120 CTCTTTAGAACATCACCTGAGGCCGGTCTGGTGGCTCACCTGTAATCCTAGCA 19179

Qy 62 CTGAGGAGGACATGCCAGGAGGA 85
Db 19180 CTGGAGGAGCTGAGGAGCTGGA 19203

```

RESULT 6 US-10-163-866-51/C
; Sequence 51, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION DATA REMOVED - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1489
; LENGTH: 22452
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-868-1489

Query Match 24.7%; Score 29.6; DB 9; Length 22452;
Best Local Similarity 59.5%; Pred. No. 2.1; Mismatches 50; Conservative 0; Indels 34; Gaps 0;
Matches 50; Mismatches 0; Indels 34; Gaps 0;

Qy 2 CGCGATGAGAAAGTGACCTGAGGCCGATGAGGACTGTGAGGTGACA 61
Db 19120 CTCCTTTAGAACATCACCTGAGGCCGGTGGGTGCTAACCTGAACTCTAGCA 19179

Qy 62 CTGAGGAGGACATGCCAGAGGA 85
Db 19180 CTTTGGAGGCTGAGGCAGGTGGA 19203

RESULT 7
US-09-835-232-7
; Sequence 7, Application US/09835232
; Patent No. US2003009889A1
; GENERAL INFORMATION:
; APPLICANT: Leder, Philip
; APPLICANT: Leader, Benjamin
; TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
; TITLE OF INVENTION: - AND USES THEREOF
; FILE REFERENCE: 00381/052002
; CURRENT APPLICATION NUMBER: US/09/835,232
; CURRENT FILING DATE: 2001-04-12
; PRIORITY NUMBER: US 60/196,811
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 170834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; LOCATION: (1)..(170834)
; OTHER INFORMATION: n= A,T,C, or G
; US-09-835-232-7

Query Match 24.3%; Score 29.2; DB 10; Length 170834;
Best Local Similarity 54.7%; Pred. No. 3.3; Mismatches 58; Conservative 0; Indels 48; Gaps 0;
Matches 58; Mismatches 0; Indels 48; Gaps 0;

Qy 5 TGATGAGGACATGCCAGAGGAAGGCCCTCCACCGAGGAGCAGGGCATGG 11
Db 1167 TCATCACACAGTGACACGAGGACGGCACGGGCTGAGCTGTCGGATCATGG 11061

RESULT 9 US-09-981-353-64
; Sequence 64, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO: 64
; LENGTH: 1556
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 3231154CB1
; US-09-981-353-64

Query Match 23.8%; Score 28.6; DB 9; Length 1556;
Best Local Similarity 54.2%; Pred. No. 3.5; Mismatches 58; Conservative 0; Indels 49; Gaps 0;
Matches 58; Mismatches 0; Indels 49; Gaps 0;

Qy 6 GATGAGGAGGTGACCTGAGGCCGATGAGGACTGTGAGAGTACGTGACA 65
Db 1181 GAGGAGGAGGAGGATGACTACGGAGAGAGGAGGAGGACTGGCTGATCCCC 1240

Qy 66 GGAGGACTGCCAGGAGGAAGGCCCTCCACCCACGGAGGAGCA 112

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Db 1241 GGACCACTGACAGGCCAGCAGGGCGGGAGGA 1287
 ; Best local Similarity 54.2%; Pred. No. 3; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
 ; Publication No. US2003002718A1

RESULT 10
 US-10-163-866-3/c
 ; Sequence 3, Application US/10163866
 ; GENERAL INFORMATION:
 ; APPLICANT: EXELIXIS, INC.
 ; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 ; FILE REFERENCE: EX02-080C
 ; CURRENT APPLICATION NUMBER: US/10/113, 865
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/296, 076
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/328, 605
 ; PRIOR FILING DATE: 2001-10-10
 ; PRIOR APPLICATION NUMBER: US 60/338, 733
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/357, 253
 ; PRIOR FILING DATE: 2002-02-15
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 1559
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-163-866-3

Query Match 23.8%; Score 28.6; DB 9; Length 1559;
 Best Local Similarity 54.2%; Pred. No. 3.5; 5;
 Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 5 TGATGAAGAGGTGCACCTGAGGCCGATGAGGACTCTGAGGAGTCTGAGGAGTCACTG 64
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 65 AGGAGGACATCGCAGGAGAACCCACGGAGGAGGAGCTGGGGTGGATCATGG 111
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Db 1169 TCATCACACAGTGAACACGGAGGACGGAGGAGGAGCTGGGGTGGATCATGG 64
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 65 AGGAGGACATCGCAGGAGAACCCACGGAGGAGCTGGGGTGGATCATGG 111
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Db 1109 AGGAGATGGAGGGAGGTGCCTTCCGGGACCCACGGAGGAGGC 1063
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

RESULT 11
 US-10-163-866-1/c
 ; Sequence 1, Application US/10163866
 ; Publication No. US2003002718A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXELIXIS, INC.
 ; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 ; FILE REFERENCE: EX02-080C
 ; CURRENT APPLICATION NUMBER: US/10/163, 866
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/296, 076
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/328, 605
 ; PRIOR FILING DATE: 2001-10-10
 ; PRIOR APPLICATION NUMBER: US 60/338, 733
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/357, 253
 ; PRIOR FILING DATE: 2002-02-15
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 5
 ; LENGTH: 1609
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-163-866-5

Query Match 23.8%; Score 28.6; DB 9; Length 1609;
 Best Local Similarity 54.2%; Pred. No. 3.5; 5;
 Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 5 TGATGAAGAGGTGCACCTGAGGCCGATGAGGACTCTGAGGAGTCACTG 64
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 65 AGGAGGACATCGCAGGAGAACCCACGGAGGAGCTGGGGTGGATCATGG 1143
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Db 1202 TCATCACACAGTGAACACGGAGGACGGAGGAGCTGGGGTGGATCATGG 1143
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 65 AGGAGGACATCGCAGGAGAACCCACGGAGGAGCTGGGGTGGATCATGG 111
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Db 1142 AGGAGATGGAGGGCAGGAGCTCCGGGACCCACGGAGGAGGC 1096
 ; Best local Similarity 54.2%; Pred. No. 3.5; 5;
 ; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

RESULT 13
 US-10-163-866-7/c
 ; Sequence 7, Application US/10163866
 ; Publication No. US2003002718A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXELIXIS, INC.
 ; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 ; FILE REFERENCE: EX02-080C
 ; CURRENT APPLICATION NUMBER: US/10/163, 866
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/296, 076
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/328, 605
 ; PRIOR FILING DATE: 2001-10-10
 ; PRIOR APPLICATION NUMBER: US 60/338, 733
 ; PRIOR FILING DATE: 2001-10-22
 ; PRIOR APPLICATION NUMBER: US 60/357, 253
 ; PRIOR FILING DATE: 2002-02-15
 ; PRIOR APPLICATION NUMBER: US 60/357, 600
 ; PRIOR FILING DATE: 2002-02-15

Query Match 23.8%; Score 28.6; DB 9; Length 1593;

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; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 7
; LENGTH: 1621
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-163-866-7

Query Match      23.8%; Score 28 6; DB 9; Length 1621;
Best Local Similarity 54.2%; Pred. No. 3.5; Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
Matches 58; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy      5 TCGATGAAAGAGGTGCACCTGAGGCCGGTGGAGGACTCTGGAACTGTGAGAGTGACACTG 64
Db     1190 TCATCACACCTGAAACAGGAGCAGCCACGGGGTGGAGCTGTGGGTCATG 1131
Qy      65 AGGAGGACATCGCCAGGGAGAAGGCCCTTCACCCACCGAGGAGGC 111
Db    1130 AGAGATCGAGGCCAGGTGGCTTCCCGGACCCACAGAGAGGC 1084

RESULT 14
US-09-880-107-3437
; Sequence 3437, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darcie T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5928-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIORITY FILING DATE: 2000-06-14
; PRIORITY APPLICATION NUMBER: US 60/237,054
; PRIORITY FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3437
; LENGTH: 2793
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U79725
; US-09-880-107-3437

Query Match      23.8%; Score 28 6; DB 10; Length 3773;
Best Local Similarity 64.2%; Pred. No. 3.8; Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy      6 GATGAGAAGAGGTGCACCTGAGGCCGGTGGAGGACTCTGGAACTGTGAGAGTGACACTG 65
Db    2285 GCTGAAGGTGTGCTTCAGGGTGTGACGAGGAGAACGCCGAGTCAGGA 2344
Qy      66 GGAGGAC 72
Db    2345 CCAGGCC 2351

Search completed: April 4, 2003, 22:34:22
Job time : 37.0827 sec
; US-09-925-302-47
; Sequence 47, Application US/09925302
; Patent No. US/09925302
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: A104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIORITY APPLICATION NUMBER: PCT/US00/05918
; PRIORITY FILING DATE: 2000-03-08

RESULT 15
US-09-925-302-47
; Sequence 47, Application US/09925302
; Patent No. US/09925302
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: A104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIORITY APPLICATION NUMBER: PCT/US00/05918
; PRIORITY FILING DATE: 2000-03-08

Query Match      23.8%; Score 28 6; DB 10; Length 3773;
Best Local Similarity 64.2%; Pred. No. 3.8; Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
Matches 43; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy      6 GATGAGAAGAGGTGCACCTGAGGCCGGTGGAGGACTCTGGAACTGTGAGAGTGACACTG 65
Db    2285 GCTGAAGGTGTGCTTCAGGGTGTGACGAGGAGAACGCCGAGTCAGGA 2344
Qy      66 GGAGGACATGCCAGGAGGAAGCCCTCCACCCACCGAGGAGGAGCA 112
Db    1226 GAGGGAGGAGGAGGATGACTACAGGCAGAGGAGGAGGACTGGCTGATAATCCCC 1285
Qy      67 GGAGGACATGCCAGGAGGAAGCCCTCCACCCACCGAGGAGGAGCA 112
Db    1286 GGACCACTCGACCAGTGACAGGCCAGAGGAGGGCGCGAGGA 1332


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